ZS-M1

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model

Model Name Using Similar Mechanism	MZ-1
Mechanism Deck Type	MT-MZ1-106
Optical Pick-up Block Type	KMS-130B

SPECIFICATIONS

MD recorder section

System	MiniDisc digital audio system
Laser diode properties	Material: GaAlAs Wavelength: λ = 780 nm Emission duration: continuous Laser output: less than 44.6 µW (This output is the value measured at a distance of 200 mm from the lens surface on the optical pick-up block.)
Revolutions	400 rpm to 900 rpm (CLV)
Error correction	Advanced Cross Interleave Reed Solomon Code (ACIRC)
Sampling frequency	44.1 kHz
Modulation system	EFM (Eight-to-Fourteen Modulation)
Number of channels	2 stereo channels
Frequency response	20 to 20,000 Hz ± 1 dB
Wow and Flutter	Below measurable limit

Radio section

Frequency range	FM: US, Canadian model 87.6 - 108MHz Italian model 87.5 - 108 MHz Other countries 87.6 - 107 MHz AM: US, Canadian model 530 - 1710KHz other countries 531 - 1602KHz
IF	FM: 10.7 MHz AM: 450 kHz
Aerials	FM: Telescopic aerial AM: Loop aerial (supplied)

General

Speaker	Full-range: 8 cm dia., cone type. 6 Ω x 2
Inputs	OPTICAL DIGITAL IN (LINE) jack: Wavelength 660 ± 30 nm LINE IN jack (stereo minijack): Sensitivity 440 mV
Outputs	Headphones jack (stereo minijack): For 32 - 64 Ω impedance headphones OPTICAL DIGITAL OUT (MD) jack: Wavelength 660 ± 30 nm LINE OUT jack (stereo minijack): Rated output 380 mV Load impedance 47 kΩ
Power output	7.5 W + 7.5 W (100 -10,000 Hz, at 6 Ω, 1% harmonic distortion)
Power requirements	For personal MD system: UK model: 240 V AC, 50 Hz European model: 220 - 230 V AC, 50 Hz US, Canadian model : 120V AC, 60Hz For remote commander: DC 3V, lithium battery (CR-2025) (1)
Power consumption	Canadian model 35W Other countries 30W
Dimensions	480 x 148 x 190 mm (w/h/d) (19 x 5 7/8 x 7 1/2 inches) incl. projecting parts
Mass	5.8 kg (12 lb 12 oz)
Supplied accessories	Mains lead (1) Remote commander (1) (RMT-CM1) AM loop aerial (1)

Design and specifications subject to change without notice.

Note
This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Optional accessories

Stereo Headphones: MDR-D33, MDR-D55, MDR-D77
Line Cable (stereo mini-jack ↔ stereo mini-jack): RK-G136
Optical Cable: POC-5, POC-10, POC-15, POC-DA12, POC-MZ1
Recordable MDs: MDW-60, MDW-74
Carrying Case: CK-MD4
Filing Box: CK-MD10

MICROFILM

PERSONAL MINIDISC SYSTEM

SONY®

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SECTION 6. ELECTRICAL PARTS LIST 101

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This Compact Disc player is classfied as a CLASS 1 LASER product. The CLASS 1 LASER product label is located on the rear exterior.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

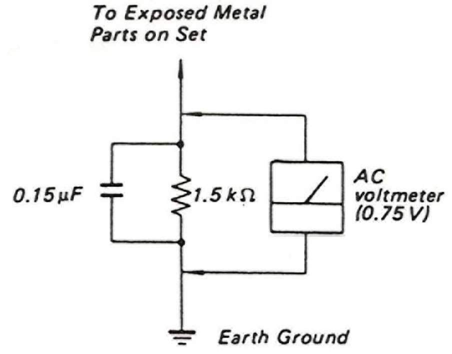


Fig. A. Using an AC voltmeter to check AC leakage.

REPLACEMENT OF ANTENNA

Antenna can be replaced without disassembling the unit.

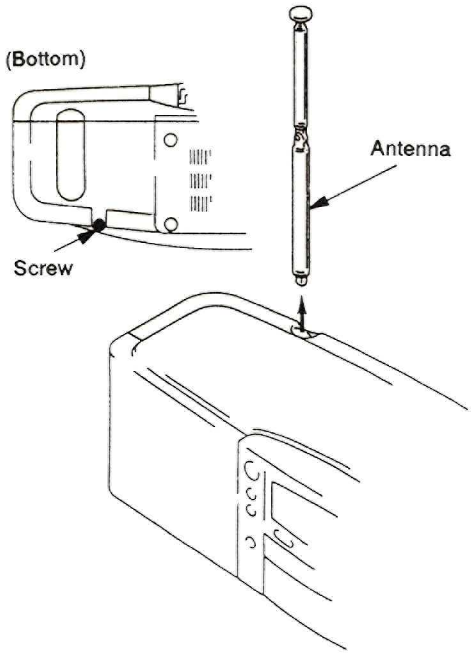
(Removal)

1. Remove the screw on the bottom of the unit.
2. Pull off the antenna.

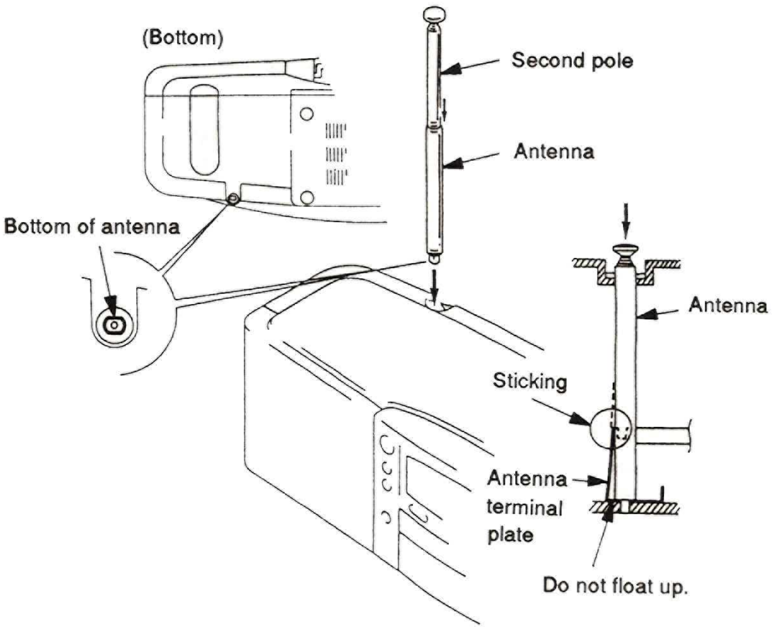
(Mounting)

1. Insert the antenna from the hole on the top.
   - ※ For easy mounting, push in the second pole a little to prevent rotation.
   - ※ Antenna may get stuck on a half way by interference with the antenna terminal board. In this case, move antenna back and forth for further insertion.
2. Meeting hole in the bottom of the unit with the bottom of the antenna, push in the antenna.
   Note: Push in the antenna completely to ensure contact with antenna terminal board.
3. Tighten the screw.

Removal


(Bottom)
Antenna
Screw

Mounting


(Bottom)
Second pole
Antenna
Bottom of antenna
Antenna
Sticking
Antenna terminal plate
Do not float up.

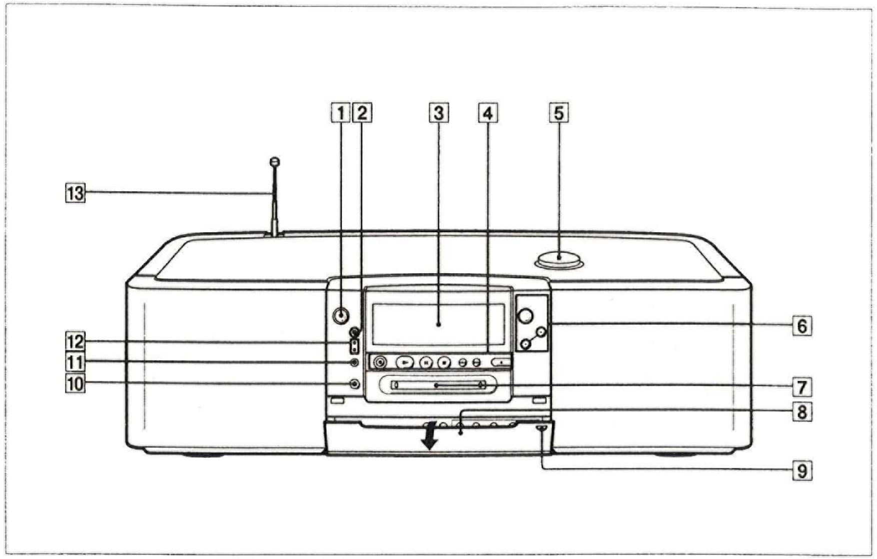
SECTION 1
GENERAL

This section is extracted from instruction manual.

Looking at the Controls

See pages in ( ) for more details.

Top panel/Front panel



1 POWER switch

2 FUNCTION button
Press to select MD, RADIO or LINE as the source.

3 Display window *(7-E)*

4 MD operation buttons *(14, 18, 20-E)*
● Record
► Play
❚❚ Pause
■ Stop
⏮ / ⏭ AMS (Automatic Music Sensor)
⏏ Eject

5 VOLUME control

6 RADIO operation buttons
BAND *(30-E)*
PRESET *(31-E)*

7 Disc compartment *(12, 18, 20-E)*

8 Sub-control panel

9 Sub-control panel OPEN ▼ tab

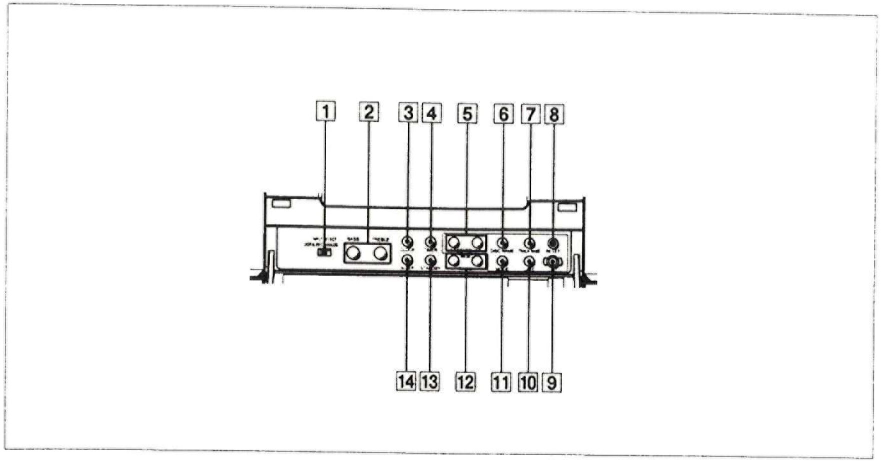
10 PHONES (headphones) jack (stereo mini-jack)

11 Remote sensor

12 OPERATION and STANDBY indicators
The STANDBY indicator lights up to indicate that the player is connected to the mains. This indicator lights regardless of whether the power is on or off.

13 Telescopic aerial *(30-E)*

Behind the sub-control panel



1 INPUT SELECT selector *(19-E)*

2 Tone controls
BASS (low-frequency sound)
TREBLE (high-frequency sound)

3 CLOCK button *(10-E)*

4 TIMER button *(35, 36, 37, 38-E)*

5 ◄◄ / ►► SEARCH buttons *(12-E)*

6 DISC NAME button *(13-E)*

7 TRACK NAME button *(13-E)*

8 RESET button *(41-E)*
Use only to eliminate instability in microcomputer control caused by variations in power supply characteristics.

9 EDIT button *(22, 23, 24, 26, 27, 28-E)*

10 DATE button *(13-E)*

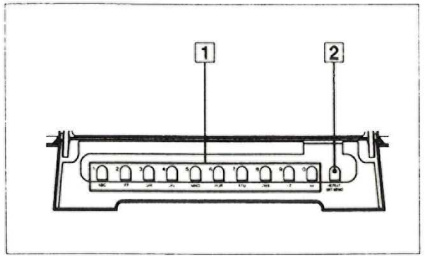
11 MODE button *(14, 15, 16, 31-E)*

12 TIME SET/TUNING buttons *(30, 31, 35, 37-E)*

13 STANDBY button *(36, 38-E)*

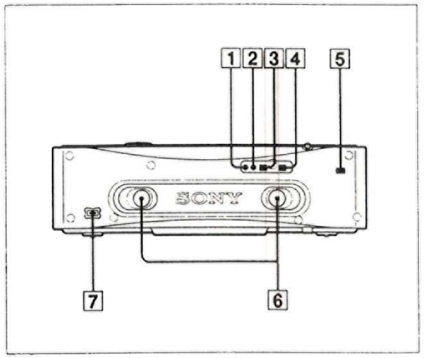
14 SLEEP button *(34-E)*

On the sub-control panel



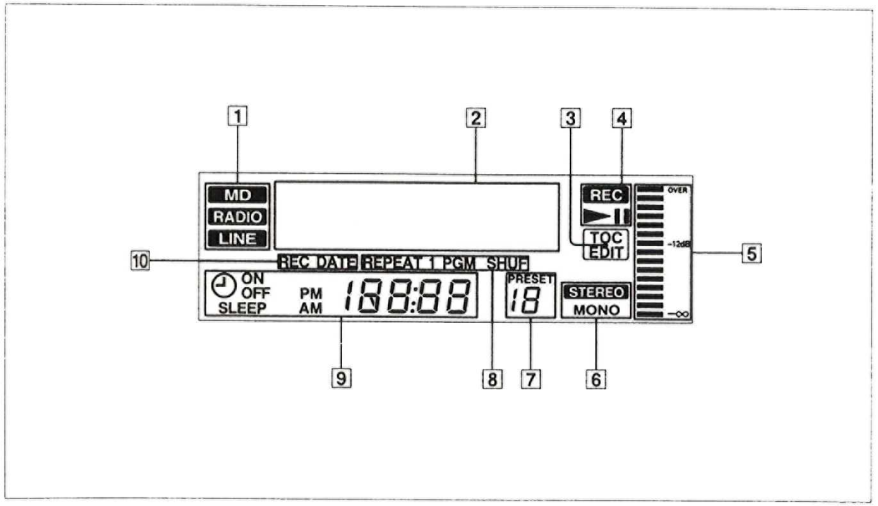
1. Numeric buttons *(11, 13, 16, 31, 36, 38-E)*
2. REPEAT/ENT/MEMO button *(11, 16, 17, 31-E)*

Rear panel



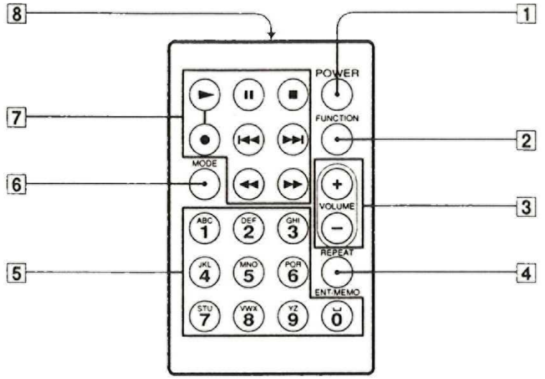
1. LINE OUT jack *(39-E)*
2. LINE IN jack *(19-E)*
3. OPTICAL DIGITAL OUT (MD) jack *(39-E)*
4. OPTICAL DIGITAL IN (LINE) jack *(19-E)*
5. AM EXT ANT (AM loop aerial) terminal *(10-E)*
6. Ducts for powerful bass sound
7. AC IN (AC power input) socket *(9-E)*

Display window



1. Function indicators
   Indicates MD, RADIO or LINE as the current source.
2. Character information display
   Displays the disc and track names, date and time.
3. TOC EDIT indicator
   Lights up during MD recording or editing.
4. MD operation mode indicators
   ▶ indicates the MD is playing; ❚❚ indicates the MD has paused; REC indicates the MD is recording.
5. Level meter
   Shows the signal level during MD recording and playback.
6. Radio mode indicator
   STEREO lights up during stereo programme reception and MONO during monaural programme reception.
7. PRESET indicator
   Lights up during setting or recall of preset radio stations (1 to 12).
8. Play mode indicators
   1: lights during single-track play.
   PGM: lights during programme play .
   SHUF: lights during shuffle play.
   REPEAT: lights when the repeat function is on.
9. Timer/frequency indicators
   ON: Lights up with the timer-on time.
   OFF: Lights up with the timer-off time.
   ⏲ : Lights up when the timer is set.
   SLEEP: Lights up when the sleep function is on.
   FM•AM: Lights up with the corresponding station frequency during radio operation.
10. REC DATE/DATE indicators
    REC DATE: Lights up with the recording date of the inserted MD.
    DATE: Lights up with the current date.

Remote commander (card type)



Controls on the remote commander with the same name as those on the deck have the same function.

1 POWER switch

2 FUNCTION button
Selects MD, RADIO (FM), RADIO (AM) or LINE as the current source.

3 VOLUME buttons

4 REPEAT/ENT/MEMO button

5 Numeric buttons

6 MODE button

7 MD operation buttons
► Play
II Pause
■ Stop
● Record
I◄◄ / ►►I AMS (Automatic Music Sensor)
◄◄ / ►► Search

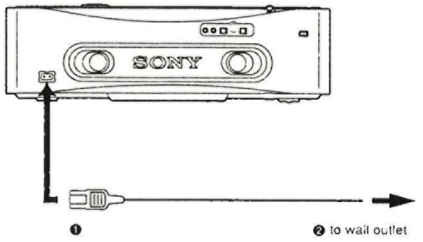
8 Command emitter
Point toward the remote sensor on the unit.

Notes on the remote commander
- To avoid malfunction, keep the commander away from direct sunlight or strong illumination.
- See *Installing the lithium battery in the remote commander* on page 9-E for instructions on changing the battery.

Preparing Power Sources

Connecting to house current

Insert one end of the supplied mains lead into the AC IN socket located at the rear of the player ❶ and the other end into a wall outlet ❷.

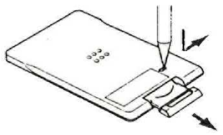


Note
Before unplugging the mains lead, be sure to turn the unit off by pressing the POWER switch. The unit will retain the previous clock (timer), MD and radio settings for about 10 minutes after you unplug the mains lead. If the unit is left unplugged for more than 10 minutes or if you failed to press POWER to turn the unit off before unplugging the mains lead, the settings and the current time and date are canceled. In this case, connect the mains lead to the wall outlet again and reenter the various settings.

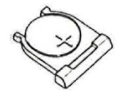
Installing the lithium battery in the remote commander

Your remote commander comes with a factory installed lithium battery. When this battery becomes too weak for normal operations, replace it with a new one using the procedure below.

1 Press down on the notch with a pen tip and slide out the battery holder.



2 Install a new Sony CR-2025 lithium battery with the + (plus) side facing up.



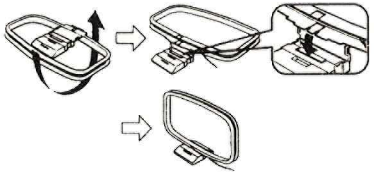
3 Slide the holder back in.

Warning!
- Keep the lithium battery out of the reach children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure good contact.
- Be sure to install the battery with the correct polarity.
- Do not hold the battery with tweezers. Doing so may cause a short-circuit.
- Do not crush the battery or dispose of it in a fire. Doing so may cause it to explode. Carefully dispose of the used battery.

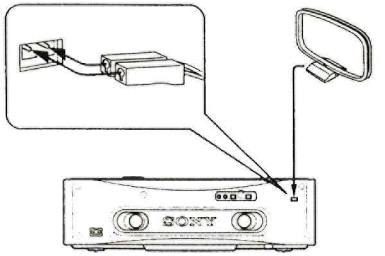
Connecting the AM Aerial

To receive AM stations, connect the AM loop aerial using the procedure below.

1 Prepare the aerial as shown below.



2 Connect the aerial to the AM EXT ANT terminal.

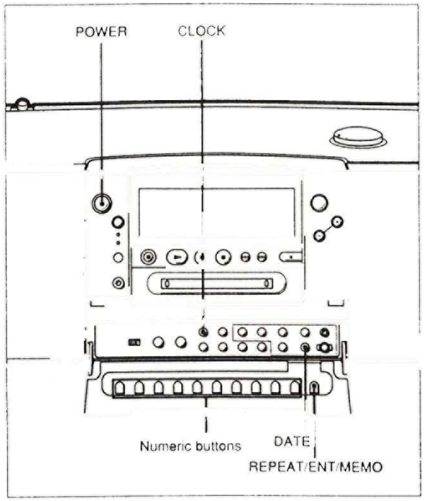


Note

To minimize noise interference from the player section, locate the AM loop aerial away from the player during AM programme reception.

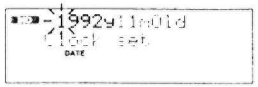
Setting the Clock

In order to use the time and date stamp function for MD recordings, use the procedure below to set the system clock.

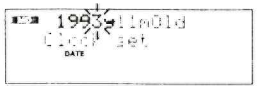


1 Press POWER.
Press FUNCTION to select MD or LINE.
(The clock cannot be set when RADIO is selected.)

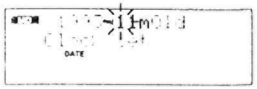
2 Keep pressing CLOCK for about 4 seconds.
The first digit of the year flashes.



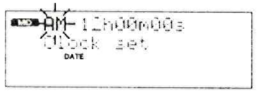
3 Enter the current year by pressing the numeric buttons.
For example, to enter the year 1993, press 1, 9, 9 and 3.



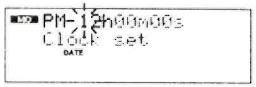
4 Press REPEAT/ENT/MEMO.
The year is stored in memory and the first digit of the month flashes.



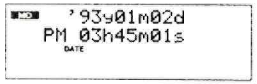
5 Repeat steps 3 and **4** and enter the current month and day.
In case of single-digit months or days, enter 0 first, then the corresponding digit.
After the day is stored in memory, set the time.



6 Choose either AM or PM by pressing DATE, then press REPEAT/ENT/MEMO.
The first digit of the hour begins flashing.



7 Enter the hour, then the minutes as you did for the month and day in steps **3** and **4**.
Pressing REPEAT/ENT/MEMO after the minutes setting starts the operation of the clock.



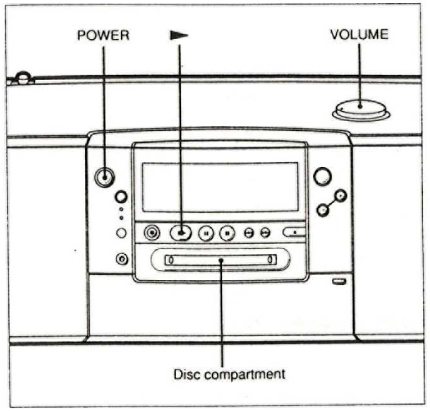
If you make a mistake while setting the time and date
Press ■, then start again from the step **2**. To skip items that do not require resetting, press TIME SET (+) and REPEAT/ENT/MEMO until the desired item begins flashing.

To display the current date
Press DATE in stop mode. The date display is canceled after 10 seconds or when you press DATE again. However, the current date cannot be displayed when RADIO is selected.

To display the time using a 24-hour system
Press DATE in stop mode to display the time, then press REPEAT/ENT/MEMO. You can set the clock using the 24-hour system as well. However, the current date cannot be displayed when RADIO is selected.

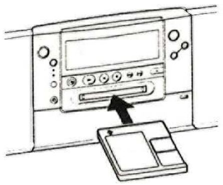
Playing an MD (Normal Play)

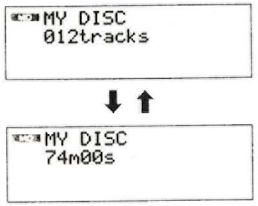
Follow the procedure below to listen to an MD.



1 Press POWER.
You can also turn the player on by inserting an MD or pressing ►.

2 With the label side up and the arrow pointing toward the opening, slide the MD into the disc compartment until the recorder grips it.





3 Press ►
The MD starts playing.

No001 00m01s ►
MY SONG

To	Press
Search backward	◄◄
Search forward	►►*
Interrupt play momentarily	II
Resume play after pause	II
Stop play	■
Eject the MD	≜

* "End!" flashes when the disc reaches its end. Press ■ or ◄◄ to turn off the indicator.

Note on sound volume
Compared to analog systems, the low noise level of the MD system makes it hard to gauge the sound volume when the signal level is very low. To prevent the unexpected output of high-volume sound, adjust the volume gradually from a low level.

Locating the beginning of a track (AMS*)

Use the AMS buttons to quickly find the beginning of a track while the MD is playing or in pause mode.

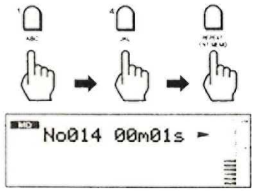
To find	Press
The beginning of the current or preceding tracks	I◄◄
The beginning of the next or succeeding tracks	►►I

Holding down either AMS button in playback or pause mode causes the unit to skip to the start of each successive track until either the button is released or the last track reached. When the button is released, the unit begins playback of the displayed track or enters pause mode, depending on the original mode.

* AMS: Automatic Music Sensor

Specifying a track directly

You can quickly find specific tracks during playback by directly specifying the track number using the numeric buttons.

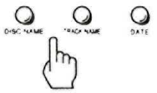


Enter the desired track number by pressing the numeric buttons, then press REPEAT/ENT/MEMO.

If the PGM indicator in the display window is on
Press MODE to turn off the indicator.

Displaying disc and track names

By pressing the DISC NAME, TRACK NAME or DATE button when an MD is playing or in pause mode, you can display the respective label information recorded on that MD. The previous display appears again after 10 seconds have passed or when you press the button again.



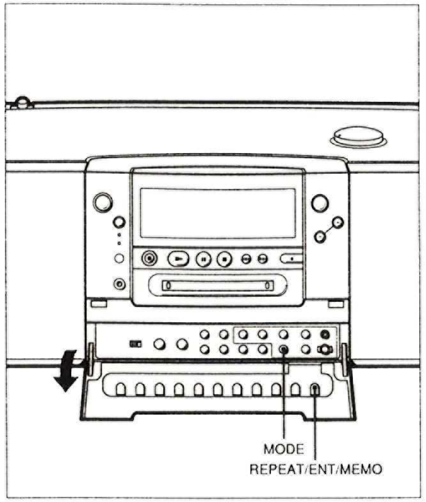
To display	Press
The name of MD	DISC NAME
The name of the current track	TRACK NAME
The recording date and total recorded time (if not a premastered MD)	DATE

Notes
- Nothing is displayed if no information has been recorded on the MD (premastered or recorded).
- Pauses during the recording of a track are not included in the total recording time displayed during playback.

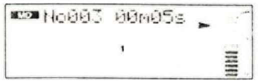
When label information exceeds the displayable length
The display window can show only 12 characters at a time. To see a title of 13 characters or more, hold down the button and the title will scroll from the 13th character on. After scrolling, the first 12 characters are displayed again.

Playing a Single Track

Use the following procedure to play back a single track once.


MODE
REPEAT/ENT/MEMO

Press MODE until "1" goes on.

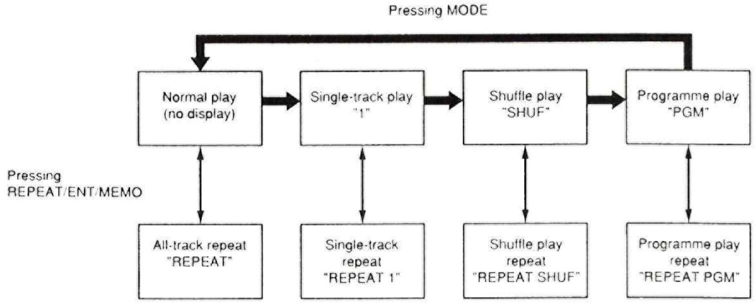

No003 00m05s
1

The unit stops after the selected track has finished. If "REPEAT" is also lit in the display window, the track will play continuously. (See *Playing Tracks Repeatedly* on page 17-E.)

To cancel single-track play
Press MODE until "1" goes off.

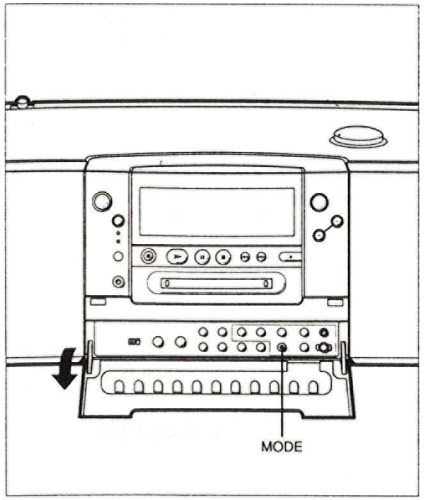
To stop single-track play
Press ■ .

Quick guide to playing mode selection
The mode and display window changes in the following order each time you press MODE or REPEAT/ENT/MEMO:

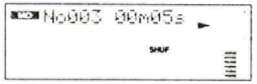

Pressing MODE
Pressing REPEAT/ENT/MEMO
Normal play (no display)
Single-track play "1"
Shuffle play "SHUF"
Programme play "PGM"
All-track repeat "REPEAT"
Single-track repeat "REPEAT 1"
Shuffle play repeat "REPEAT SHUF"
Programme play repeat "REPEAT PGM"

Playing Tracks in Random Order (Shuffle Play)

Use shuffle play to play back all tracks on an MD in random order.



While the MD is playing, press MODE until "SHUF" appears in the display window.
If "REPEAT" is on, press REPEAT/ENT/MEMO to turn it off. Shuffle play will start after the current track finishes. The word "access" flashes while shuffle play searches for the next track to play.


No003 00m05s
SHUF

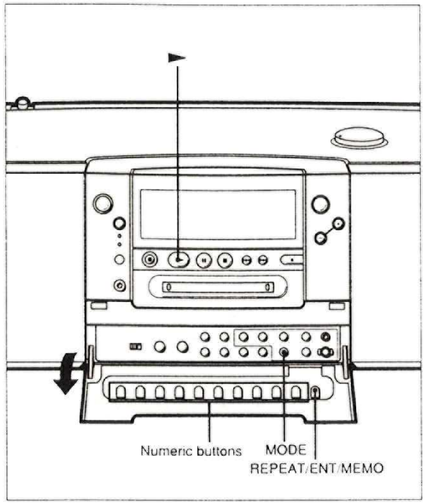
To cancel shuffle play
Press MODE until "SHUF" goes off.

To stop shuffle play
Press ■ .

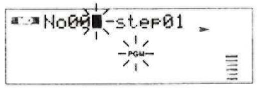
Note
When you press ⏮ , the MD returns to the beginning of the current track only.

Playing Tracks in a Specific Order (Programme Play)

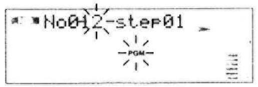
Programme play allows you to specify the playback order of up to 21 tracks.



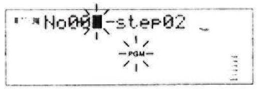
1 While the MD is playing, press MODE until "PGM" flashes in the display window.
If "REPEAT" is on, press REPEAT/ENT/MEMO to turn it off.
The MD will continue to play as you enter the desired track numbers.



2 Enter the desired track number using the numeric buttons.
For example, to enter the 12th track, press 1 and 2.

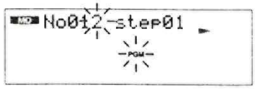


3 Press REPEAT/ENT/MEMO.
The entered track number is programmed.

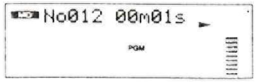


4 Repeat steps **2** and **3** within 10 seconds to enter other track numbers up to 21 tracks.
If no button is pressed within 10 seconds, programme mode is automatically canceled.

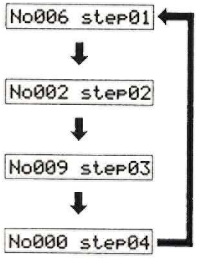
5 Press REPEAT/ENT/MEMO within 10 seconds after step **4**.
The first track number of the new programme appears. If necessary, verify the track numbers and make corrections (*see page 17-E*). If information from the previous programme is found, press 0, then REPEAT/ENT/MEMO to erase all old track numbers.



6 Press ► (play) within 10 seconds after step **5**.
Programme play starts from the first track of the programme.



Checking the order of entered tracks
With "PGM" on and prior to playback, press REPEAT/ENT/MEMO to display each track number of the programme in sequence. After all track numbers have appeared, the programme cycles back to the first track number.
(In the diagram below, track numbers 6, 2 and 9 have been programmed.)



(No track numbers were entered after step 3.)

To change a track in the programme
During track number verification (see *Checking the order of entered tracks* above), you can freely modify any track number merely by entering the new number with the numeric buttons, then pressing REPEAT/ENT/MEMO to save it.

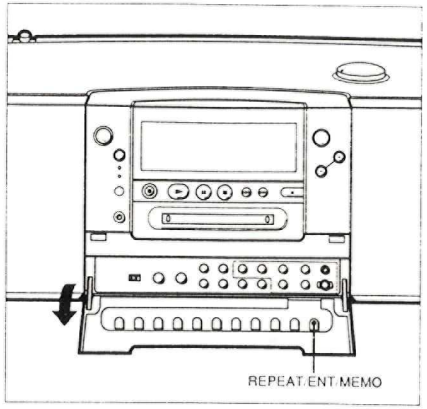
To cancel programme play
Press MODE until "PGM" goes off. The programme remains in memory until the MD is ejected or for about 10 minutes after unplugging the mains lead (see *Note* on page 9-E).

To stop programme play
Press ■ (stop).

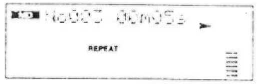
Note
You cannot programme more than 21 tracks. After the 21st step, the programme cycles back to the first step and any new entries will sequentially replace previously programmed track numbers starting from step one.

Playing Tracks Repeatedly

The repeat function can be used for repeated playback in normal, single track, shuffle or programme play mode.



While the MD is playing, press REPEAT/ENT/MEMO until "REPEAT" goes on.



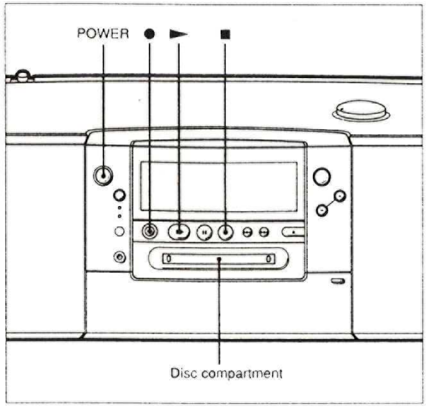
Playing mode	When "REPEAT" is on
Normal play	All the tracks are played again.
Single track play	The same track is played repeatedly.
Shuffle play	Shuffle play repeats with a different track order each time.
Programme play	The programme plays repeatedly.

To cancel the repeat function
Press REPEAT/ENT/MEMO until "REPEAT" goes off.

To stop repeated playback
Press ■ (stop).

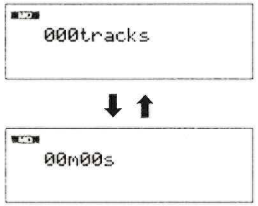
Recording From the Radio

With your MiniDisc unit you can record from the radio in a digital format. For this you must use a recordable MD (see *What Is a MiniDisc?* on page 44-E).



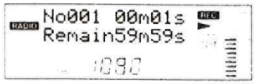
1 Press POWER.

2 With the label side up and the arrow pointing toward the opening, slide the MD into the disc compartment until the unit grips it.
The disc name (if labeled) appears on the first line while the total number of recorded tracks and the recording time alternately appear on the second line.



3 Press BAND to select the band and TUNING (-/+) to select the station. (For details on tuning, see *Listening to the Radio* on page 30-E.)

4 While pressing ● (record), press ► (play).
● (record) goes on and recording starts with the recording level automatically adjusted.



5 Press ■ (stop) when you want to stop recording.
"TOC* EDIT" begins to blink. After ● (record) goes off, ● (record) goes on again. After about a second, "TOC EDIT" and ● (record) go off and the recording is completed. Wait until "TOC EDIT" goes off to perform another operation.
The next recording to be performed begins on a new track on the MD.

Caution
Do not jog the unit or pull out the mains lead while "TOC EDIT" is flashing.

RADIO
TOC EDIT

To	Press
Pause	II
Cancel pause	II
Eject the MD	≜

* The TOC (Table of Contents) contains the beginning and ending addresses of all tracks on the MD.

Locating a desired point during playback
Adding a track mark at a desired point during recording (*see page 21-E*) will allow you to quickly locate that point later during playback.

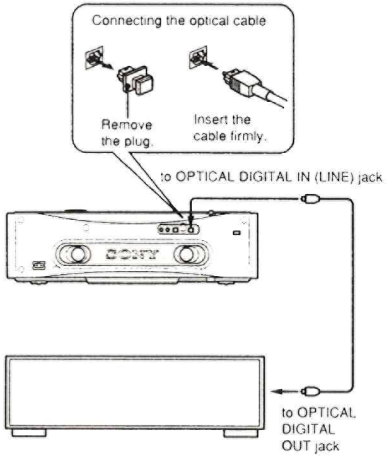
Note on recording AM stations
To record AM stations with less noise, adjust the direction of the supplied AM loop aerial or locate the aerial away from the player.

Connecting Other Sound Sources

Before you can record from other sound sources, you must connect the unit to a sound source. The sound source can be one of two types: a digital source (such as another MD player, CD player or digital amplifier) or an analog source (such as a cassette player, radio or analog amplifier).

Hooking up a digital source

1 Use a POC-5 optical cable (not supplied) to connect a digital source to the OPTICAL DIGITAL IN (LINE) jack.


Connecting the optical cable
Remove the plug.
Insert the cable firmly.
to OPTICAL DIGITAL IN (LINE) jack
to OPTICAL DIGITAL OUT jack

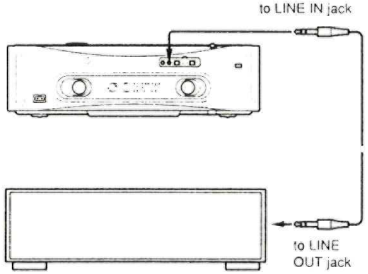
2 Set INPUT SELECT behind the sub-control panel to DIGITAL (REC).

INPUT SELECT
DIGITAL (REC) ANALOG

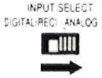
Notes on MD recording
- You cannot use the digital input jack (OPTICAL DIGITAL IN) to record digital sources with a sampling frequency different from that of the MD section (such as DAT (32 kHz, 48 kHz) or BS). In these cases, use the analog input jack (LINE IN) as described in the following section *Hooking up an analog source*.
- Do not touch the terminals of the optical cable since contamination from the fingers may interfere with the signal output.
- Since your MD unit uses SCMS (Serial Copy Management System), MDs recorded through the digital input jack (OPTICAL DIGITAL IN) cannot be used to make subsequent copies to other MDs. Copies of home-recorded MDs can only be made through the analog output jack (LINE OUT).

Hooking up an analog source

1 Connect an RK-G136 (not supplied) to connect an analog source to the LINE IN jack.

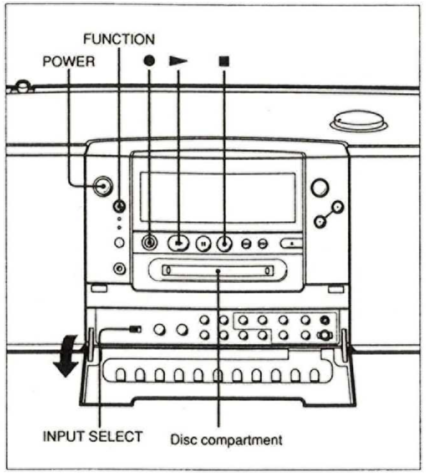


2 Set INPUT SELECT behind the sub-control panel to ANALOG.



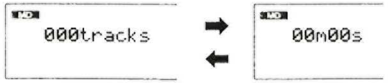
Recording Other Sources

You can record digital or analog sources connected to your unit (*see page 19-E*) to a recordable MD (see *What Is a MiniDisc?* on page 44-E).

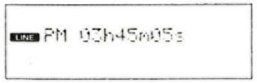


1 Press POWER.

2 With the label side up and the arrow pointing toward the opening, slide the MD into the disc compartment until the unit grips it.
The disc name (if labeled) appears on the first line while the total number of recorded tracks and the recording time alternately appear on the second line.



3 Press FUNCTION to select "LINE."

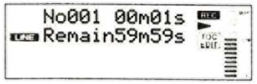


4 Set INPUT SELECT to match the respective sound source type.

For sound sources with	Set INPUT SELECT to
An OPTICAL DIGITAL OUT jack	DIGITAL
A LINE OUT jack	ANALOG

Note
When using OPTICAL DIGITAL IN to record a source, sound monitoring is not possible in the recording stop mode.

5 While pressing ● (record), press ► (play).
● (record) goes on and recording starts with the recording level automatically adjusted.

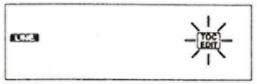


6 Play the sound source to be recorded.

7 Press ■ (stop) when you want to stop recording.

"TOC* EDIT" begins to blink. After ● (record) goes off, ● (record) goes on again. After about a second, "TOC EDIT" and ● (record) go off and the recording is completed. Wait until "TOC EDIT" goes off to perform another operation.
The next recording to be performed begins on a new track on the MD.

Caution
Do not jog the unit or pull out the mains lead while "TOC EDIT" is flashing.



To	Press
Pause	II
Cancel pause	II
Eject the MD	≜

* The TOC (Table of Contents) contains the beginning and ending addresses of all tracks on the MD.

Recording a CD or premastered MD through OPTICAL DIGITAL IN
To record track numbers in the same sequence as the original, CDs or premastered MDs should only be played in normal play mode — not shuffle or programme play mode.

Note on recording character information
When using OPTICAL DIGITAL IN to record a source, track numbers are automatically recorded in the same sequence as the original; however, no character information (disc or track names) are recorded.

Tips on Recording

Starting a recording precisely

1 Within 4 seconds after pressing II (pause), press ► (play) while holding down ● (record). The unit enters recording pause mode.

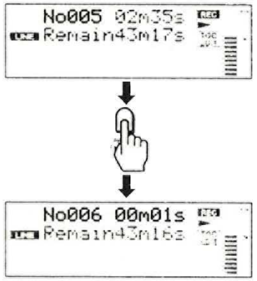
2 Play the sound source to be recorded.

3 When you come to the part you want to record, press II (pause) again.

Track marking during recording

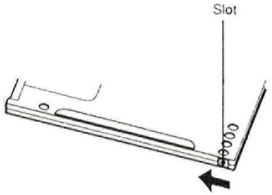
Track marking is essentially the adding of tracks during recording. By adding a track mark (new track number) at desired points, you can quickly locate those points afterwards using the AMS function. This is especially useful for separating material recorded from the radio through the analog input jack (LINE IN), or for adding additional tracks to those recorded from CDs or other MDs through the digital input jack (OPTICAL DIGITAL IN).

While recording, press REPEAT/ENT/MEMO.
The track number increments by one, and material recorded from that point is placed on that track.



To protect a MiniDisc against accidental erasure

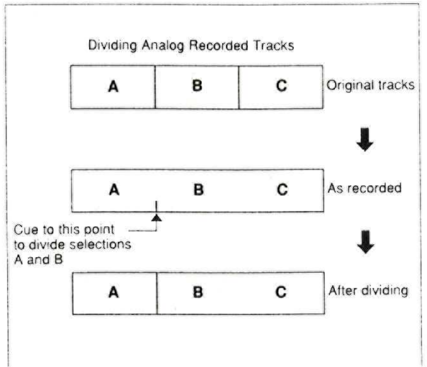
Open the slot to disable recording.
Close the slot to enable recording.



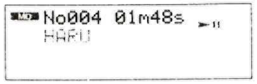
To disable recording, slide the tab in direction of arrow.

Dividing Recorded Tracks

The MD unit records analog sources through the analog input (LINE IN) as a single track on the MD. To randomly access individual songs or portions on this track, separate tracks must be designated for each song or portion, as shown in the illustration below.

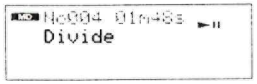

Dividing Analog Recorded Tracks
A
B
C
Original tracks
A
B
C
As recorded
Cue to this point to divide selections A and B
A
B
C
After dividing

1 While the MD is playing, press ❚❚ (pause) at the division point.

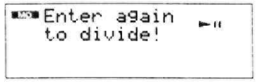

No004 01m48s
HARU

2 Press EDIT until "Divide" goes on.

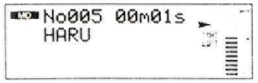
The display changes in the following order: Combine, Divide, Erase, Disc name, Track name, then back to Combine.


No004 01m48s
Divide

3 Press REPEAT/ENT/MEMO.


Enter again
to divide!

4 Press REPEAT/ENT/MEMO again to confirm your choice.
Pause is released and the new track starts playing. The track number in the display increments by one and the playing time of the new track appears.
The track title of the original track is assigned to the new track.


No005 00m01s
HARU

5 Repeat steps **1** to **4** until you have made all the desired divisions.

6 Press ■ (stop).

"TOC EDIT" flashes while the new TOC data is written to the MD. After about a second, "TOC EDIT" goes off and track division is completed.

Caution
Do not jog the unit or pull out the mains lead while "TOC EDIT" is flashing.

To cancel the track division procedure
Press ■ (stop) prior to step **4**.

If you make a mistake
Combine the tracks again (see *Combining Recorded Tracks* on page 24-E), then redivide the tracks.

Changing the order of consecutive tracks

Use the procedure below to switch the order of two consecutive tracks.

1 Play the second track of the two you want to switch. For example, to switch tracks 1 and 2, play track 2.

2 While the MD is playing, hold down ► (play) and press EDIT until "Swap" goes on.

3 Press REPEAT/ENT/MEMO.
"Enter again to swap!" goes on and play is paused.

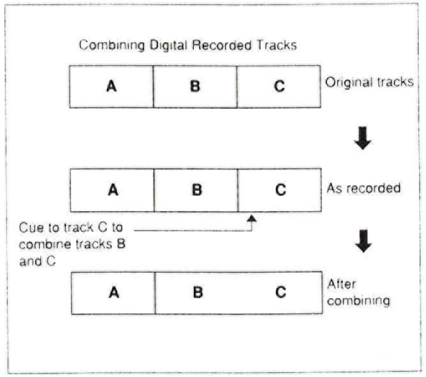
4 Press REPEAT/ENT/MEMO again to confirm the switch.
The order of the two tracks switches and play resumes.

5 Press ■ (stop).
"TOC EDIT" flashes while the TOC is updated. After about a second, "TOC EDIT" goes off and the switch is completed.

To cancel the swapping procedure
Press ■ (stop) prior to step **4**.

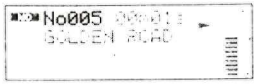
Combining Recorded Tracks

Digital sources input through the OPTICAL DIGITAL IN jack (such as CDs and other MDs) are recorded to the MD with all the track divisions of the original. The combine function allows you to combine consecutive tracks on a recorded MD (*see illustration below*) to eliminate undesired track divisions or correct mistakes made during track division (*see page 22-E*).



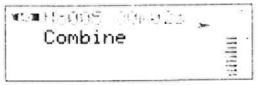
Combining Digital Recorded Tracks
A
B
C
Original tracks
A
B
C
As recorded
Cue to track C to combine tracks B and C
A
B
C
After combining

1 Play the second track of the two you want to combine.

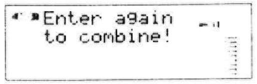


No005 00m01s
GOLDEN ROAD

2 Press EDIT until "Combine" appears.
The display changes in the following order: Combine, Divide, Erase, Disc name, Track name, then back to Combine.

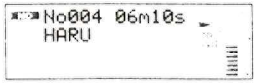


3 Press REPEAT/ENT/MEMO.
"Enter again to combine!" goes on and play is paused.



Enter again
to combine!

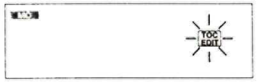
4 Press REPEAT/ENT/MEMO again to confirm the combination.
The two tracks are combined and play resumes. The display shows the first of the two track numbers and the combined time of both tracks.



No004 06m10s
HARU

5 Press ■ (stop).
"TOC EDIT" flashes while the TOC is updated. After about a second, "TOC EDIT" goes off and the track combination is completed.

Caution
Do not jog the unit or pull out the mains lead while "TOC EDIT" is flashing.



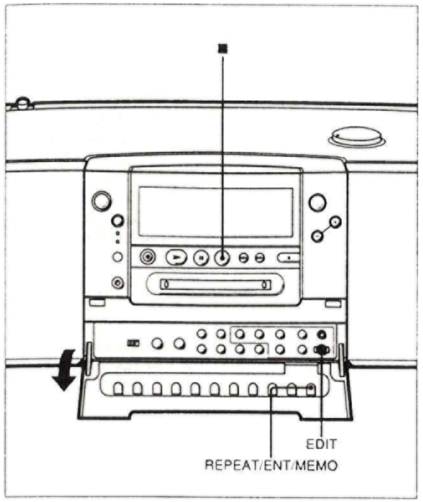
To cancel the track combination procedure
Press ■ (stop) prior to step **4**.

If you make a mistake
Divide the tracks again (see *Dividing Recorded Tracks* on page 22-E), then recombine the tracks.

Note
After two tracks have been combined, the recording date and the track title of the first track become the effective recording date and track title of the combined track.

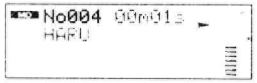
Erasing Recordings

If your recorded MD has been divided into tracks, you can use the procedure below to erase specific tracks easily and instantly. Note, however, that once erased, a track cannot be recovered.



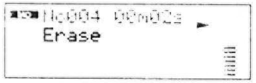
■
EDIT
REPEAT/ENT/MEMO

1 Play the track you want to erase.



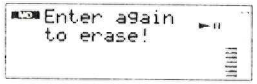
No004 00m01s
HARU

2 Press EDIT until "Erase" goes on.
The display changes in the following order: Combine, Divide, Erase, Disc name, Track name, then back to Combine.



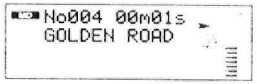
No004 00m02s
Erase

3 Press REPEAT/ENT/MEMO.
"Enter again to erase!" goes on and play pauses.



Enter again
to erase!

4 Press REPEAT/ENT/MEMO again to confirm the erasure.
The designated track is erased, and the remaining tracks are renumbered. The track following the one just erased starts playing.
If the erased track is the last one on the MD, the unit enters pause mode at the end of the previous track.



No004 00m01s
GOLDEN ROAD

5 Press ■ (stop).
"TOC EDIT" flashes while the TOC is updated. After about a second, "TOC EDIT" goes off and the erasure is completed.

Caution
Do not jog the unit or pull out the mains lead while "TOC EDIT" is flashing.

To cancel the erasure procedure
Press ■ (stop) prior to step **4**.

Erasing a part of a track

1 Follow the procedure on page 22-E (*Dividing Recorded Tracks*) to create a track division at the starting and ending points of the portion to be erased.

2 Follow the procedure on page 25-E (*Erasing Recordings*) to erase the selected portion.

3 Follow the procedure on page 24-E (*Combining Recorded Tracks*) to join the portions before and after the erased portion.

Erasing a disc

Erasing a recordable MD deletes all recorded tracks and disc names.

1 While the MD is playing, hold down ► (play) and press EDIT until "Swap" goes on.

2 Press EDIT again.
"Be careful! Erase all" goes on.

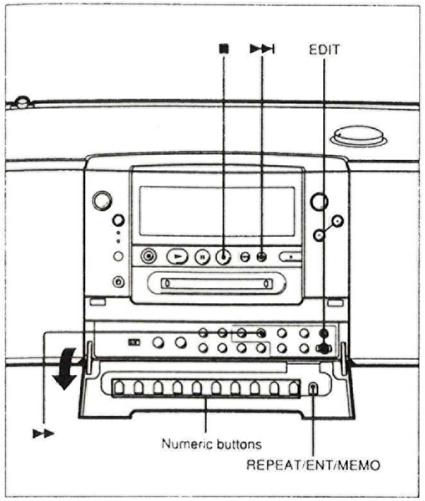
3 Press REPEAT/ENT/MEMO.
"Enter again to erase all" goes on and play is paused.

4 Press REPEAT/ENT/MEMO.
"TOC EDIT" flashes while the TOC is updated. After about a second, "TOC EDIT" goes off and the erasure is completed.

To cancel the erasing procedure
Press ■ (stop) prior to step 4.

Labeling Recordings (Title Function)

Use the title function to create titles for your recorded discs and tracks. Titles — which may consist of uppercase letters, numbers and spaces — appear in the display window during MD operation.

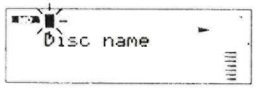


1 Press ► (play).
To label an MD, play any track on the MD.
To label a track, play the track to be labeled.

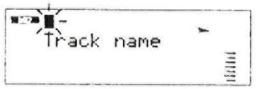
2 Press EDIT to select either "Disc name" or "Track name."

The display changes in the following order: Combine, Divide, Erase, Disc name, Track name, then back to Combine.

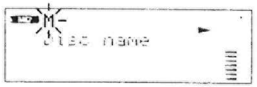
To label an MD
Press EDIT until "Disc name" goes on. Repeat play of all tracks begins automatically.



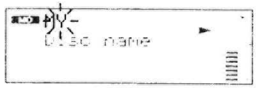
To label a track
Press EDIT until "Track name" goes on. Repeat play of a single track begins automatically.



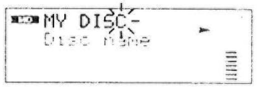
3 Press the numeric buttons to enter the desired characters. Since each button is used to input up to 4 characters, press the button once to enter a number, and twice, three or four times to enter a letter. For example, press numeric button 5 twice to enter "M".



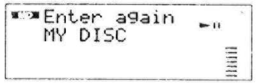
4 Press ►►I (AMS) or ►► (SEARCH) to move to the next letter.
If you make a mistake, press I◄◄ (AMS) or ◄◄ (SEARCH), then enter the correct letter. To erase a letter, enter a space (_) by pressing 0 twice.



5 Repeat steps 3 and 4 until you have entered the entire title using a maximum of 21 characters.



6 Press REPEAT/ENT/MEMO.
Play pause and the title you entered appears on the second line.



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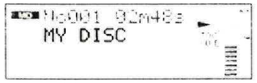
7 Press REPEAT/ENT/MEMO again to confirm the title.
Pause is cancelled, the title you entered is displayed for about 10 seconds, and the display returns to normal.
If you enter more than 12 characters, the display scrolls once, then displays the first 12 characters again.



8 Press ■ (stop).
"TOC EDIT" flashes while the TOC is updated. After about a second, "TOC EDIT" turns off and the labeling procedure is completed.

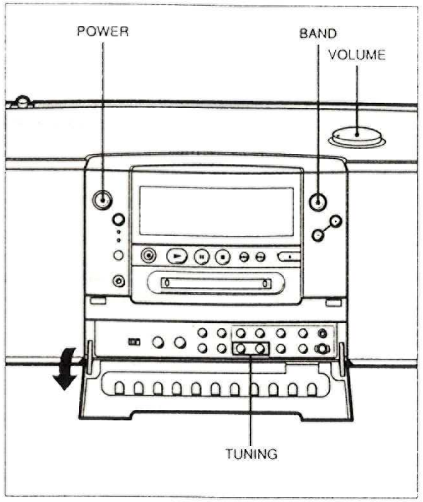
Caution
Do not jog the unit or pull out the mains lead while "TOC EDIT" is flashing.

To cancel the labeling procedure
Press ■ (stop) prior to step 7.

Making a correction after entering a title
If you pressed REPEAT/ENT/MEMO in step **7** but wish to make a correction, repeat the labeling procedure from step 2.

Listening to the Radio

Follow the procedure below to tune in FM or AM broadcasts.



1 Press POWER.
You can also turn the player on by pressing BAND.

2 Press BAND to select FM or AM.
"RADIO" turns on and the band changes each time you press the button.

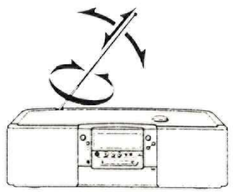
3 Tune in a radio station.
Press either the TUNING - or + button until the frequency display begins changing. The Auto Scan function searches for, then locks onto the next strong signal. Continue pressing the button until you find the desired station.

RADIO
FM 98.0

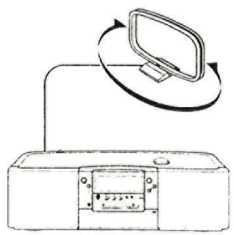
To	Press
Turn off the radio	POWER
Listen to FM	MODE to display "STEREO"
Reduce FM noise	MODE to display "MONO". The noise will be reduced, but the radio will play in monaural.

To improve broadcast reception
Reorient the aerial.

FM



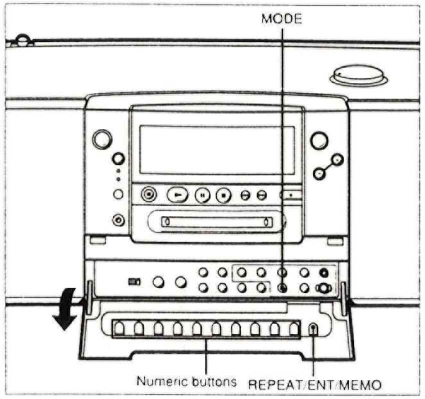
AM



Note
To minimize noise interference from the player section, locate the AM loop aerial away from the player during AM programme reception.

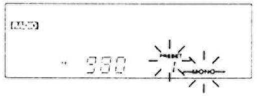
Presetting Radio Stations

Presetting your favorite radio stations allows you to quickly tune them in merely by pressing PRESET on the unit or the numeric buttons on the remote commander. The reception mode (stereo or monaural) can also be stored for each preset station.

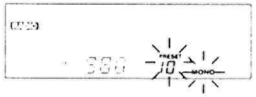


1 Press BAND to select AM or FM, then press the TUNING buttons to tune in the desired station.

2 Press REPEAT/ENT/MEMO for about 2 seconds. "PRESET" and a preset number start flashing. The radio station will be stored under the displayed number.



3 Press the numeric buttons to enter another preset number, if desired.
For example, to set 10, press numeric button 1, then 0. You may also press PRESET to increment the preset number display. Up to 24 stations, 12 each for AM and FM, can be stored.



If you enter the wrong number, press the numeric buttons again to enter the correct number.

4 Press MODE to select the reception mode to be stored.

Reception mode	Indication
Stereo	STEREO
Monaural	MONO

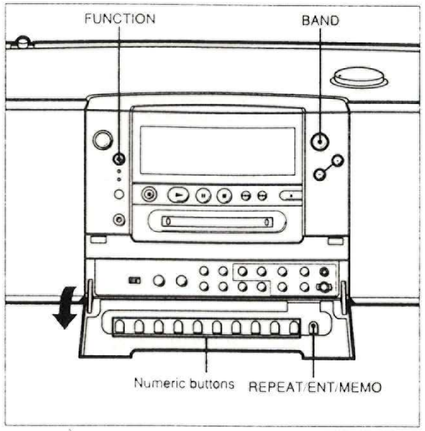
5 Press REPEAT/ENT/MEMO.
"PRESET" and the preset number stop flashing and remain on.

RADIO
98.0
PRESET
10
MONO

Note
Radio stations cannot be preset during the recording of radio programmes.

Playing Preset Radio Stations

Press PRESET on the unit or the numeric buttons on the remote commander to call up stations by their preset number.



1 Press BAND or FUNCTION to turn on the RADIO indicator.

2 Enter the desired preset number by pressing the numeric buttons.
For example, to select 10, press numeric button 1, then 0. You may also press PRESET to increment the preset number display.

RADIO
PRESET
10
MONO

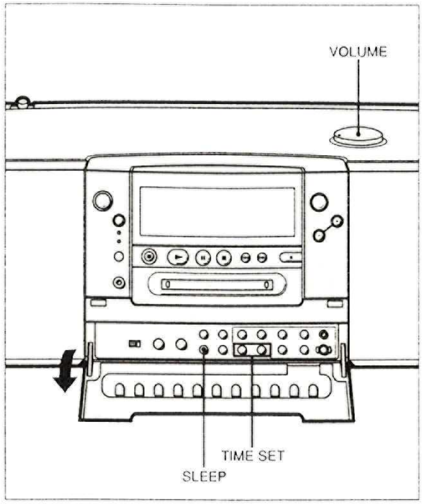
If you enter the wrong number, press the numeric buttons again to enter the correct number.

3 Press REPEAT/ENT/MEMO.
The selected preset radio station begins playing in the specified reception mode.

To erase a preset station
Storing a new station to a previously used preset number will erase the old station and replace it with the new one.

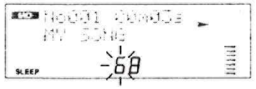
Falling Asleep to Music

The timer can be set to turn off the system after a lapse of 10, 30, 60, 90 or 120 minutes, allowing you to fall asleep while listening to a desired sound source.



1 Select the desired sound source by pressing FUNCTION then start playing the selected sound source.

2 Press SLEEP.



3 Within 4 seconds after pressing SLEEP, select the desired time duration by pressing TIME SET (+ or -). Each press of the TIME SET (+) button changes the time duration as follows:

→10→30→60→90→120→

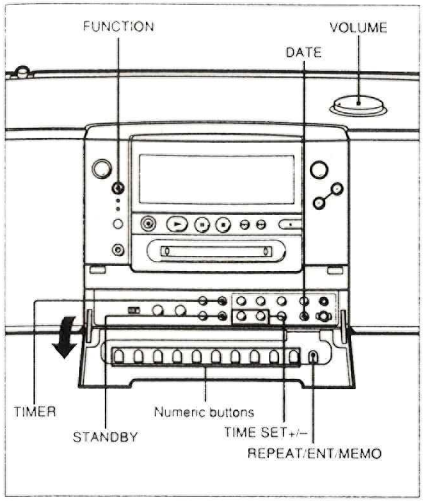
After 4 seconds, the time duration is replaced by the previous display and the sleep function activates. At this time, the back-lighting stays off even with the power on.

To cancel the sleep function
Press SLEEP to turn off the SLEEP indicator, or turn off the power.

To fall asleep with one programme and wake up with another
Set the programme to be activated when the timer goes on using the procedure on page 35-E (*Waking Up to Music*), then perform the procedure for the sleep function.

Waking Up to Music

The wake up function turns the system on automatically at a specified time to wake you up with a preselected programme.



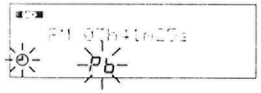
Before you start...
- Verify that the clock is set correctly. (If not, reset it using the procedure *Setting the Clock* on page 11-E.)
- Verify that the ⊕ indication is off. (If not, press STANDBY to turn it off.)

1 Select the desired sound source.

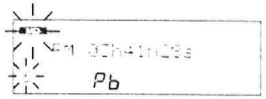
Sound source	Preparation
MD	Insert a disc.
Radio	Tune in the desired station.
Other components connected through the LINE IN jack	Turn on the power of the selected component.*

* For details, see the operation manual of the respective component.

2 Press TIMER until "Pb" and ⊕ (or "REC" and ⊕) goes on.
If "REC" goes on, press TIME SET (+ or -) to change it to "Pb".



3 Press REPEAT/ENT/MEMO.



4 Select the desired sound source by pressing FUNCTION or TIME SET (+ or -).

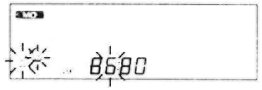
Sound source	Indication
MD	MD
Radio	RADIO
Other components connected through the LINE IN jack	LINE

5 Press REPEAT/ENT/MEMO.
"ON" goes on.

6 Set the timer-on time.

1 Press DATE to select AM or PM, then press REPEAT/ENT/MEMO.

2 Enter the hour with the numeric buttons, then press REPEAT/ENT/MEMO to store it.



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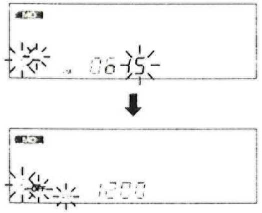
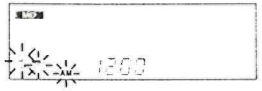
3 Enter the minutes with the numeric buttons, then press REPEAT/ENT/MEMO to store the timer-on time.
"OFF" goes on next.

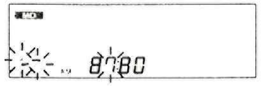


7 Set the timer-off time.

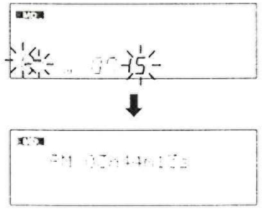
1 Press DATE to select AM or PM, then press REPEAT/ENT/MEMO.



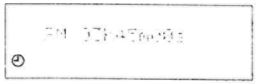
2 Enter the hour with the numeric buttons, then press REPEAT/ENT/MEMO to store it.



3 Enter the minutes with the numeric buttons, then press REPEAT/ENT/MEMO to store the timer-off time.
The timer-off time is replaced by the previous display.



8 Press STANDBY.
The power turns off automatically, and ⊕ goes on.
At the timer-on time, the power turns on and the selected source plays automatically. (The back-lighting stays off.)



If you make a mistake
Press TIMER, then repeat the procedure again.

To confirm the timer and function settings
Press TIMER, then REPEAT/ENT/MEMO. The selected function and "Pb" go on. Press REPEAT/ENT/MEMO again for the timer-on time, and again for the timer-off time. When finished, press TIMER to return to the previous display.

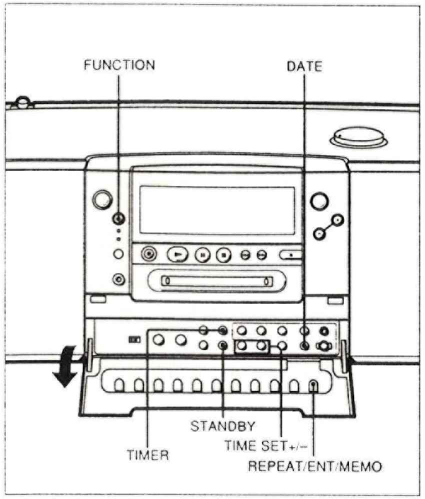
To turn off the unit during timer-activated operation
Turn off the power by pressing POWER.

To turn off the timer
Press STANDBY to turn off the ⊕ indicator.

To continue using the same settings on succeeding days
You need not set the timer and function again since the timer settings and function are stored until you reset them. If the ⊕ indicator is not on, press STANDBY to turn it on.

Timer-Recording Radio Programmes

By setting the timer, your unit will automatically record a desired radio programme while you are away or asleep.

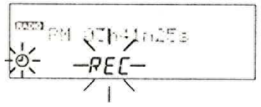


Before you start...
- Verify that the time setting is correct. (If not, set the correct time using the procedure *Setting the Clock* on page 10-E.)
- Verify that the ⊕ indication is off. (If not, press STANDBY to turn it off.)

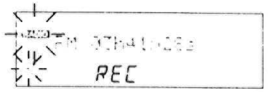
1 Tune in the desired station to be recorded.

2 Insert a recordable disc.
If the disc is record-protected, close the slot (*see page 21-E*).

3 Press TIMER until "Pb" and ⊕ (or "REC" and ⊕) go on.
If "Pb" goes on, press the TIME SET (+ or -) button to change it to "REC".

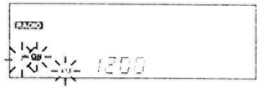


4 Press REPEAT/ENT/MEMO.



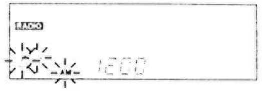
5 Press FUNCTION or TIME SET (+ or -) to turn on the RADIO indicator.

6 Press REPEAT/ENT/MEMO.
"ON" goes on.

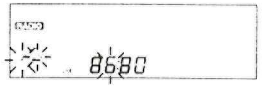


7 Set the timer-on time.

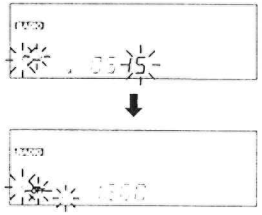
1 Press DATE to select AM or PM, then press REPEAT/ENT/MEMO.



2 Enter the hour with the numeric buttons, then press REPEAT/ENT/MEMO to store it.



3 Enter the minutes with the numeric buttons, then press REPEAT/ENT/MEMO to store the timer-on time. "OFF" goes on next.



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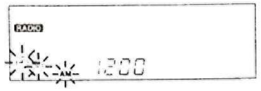
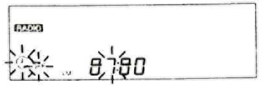
8 Set the timer-off time.

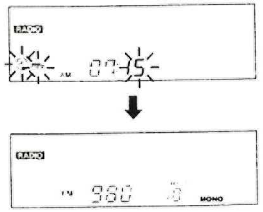
1 Press DATE to select AM or PM, then press REPEAT/ENT/MEMO.



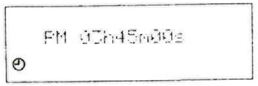
2 Enter the hour with the numeric buttons, then press REPEAT/ENT/MEMO to store it.



3 Enter the minutes with the numeric buttons, then press REPEAT/ENT/MEMO to store the timer-off time.
The timer-off time is replaced by the previous display.



9 Press STANDBY.
The power turns off automatically, and ⊕ goes on.
At the timer-on time, the power turns on and the selected radio station plays automatically. (The back-lighting stays off.)



If you make a mistake
Press TIMER, then repeat the procedure again.

To confirm the timer and function settings
Press TIMER, then REPEAT/ENT/MEMO. The selected function and "REC" go on. Press REPEAT/ENT/MEMO again for the timer-on time, and again for the timer-off time. When finished, press TIMER to return to the previous display.

To turn off the unit during timer-activated operation
Turn off the power by pressing POWER.

To turn on the timer
Press STANDBY to turn off the ⊕ indicator.

To continue using the same settings on succeeding days
You need not set the timer and function again since the timer settings and function are stored until you reset them. If the ⊕ indicator is off, press STANDBY to turn it on.

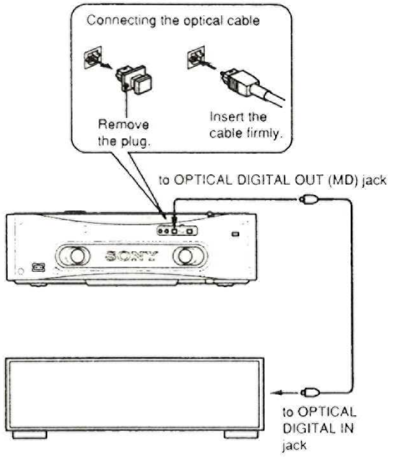
Note on recording AM programmes
Before activating the timer for recording, adjust the AM loop aerial for optimum signal reception.

Connecting Optional Equipment

Connecting your unit to other components allows you to enjoy MD sound on high-quality output equipment or record MD sound on other equipment.

Hooking up a component with digital input capability

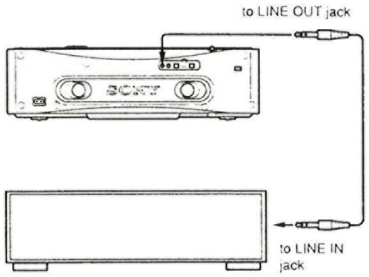
Use a POC-5 optical cable (not supplied) to connect the digital input jack of the other component to the OPTICAL DIGITAL OUT (MD) jack.


Connecting the optical cable
Remove the plug.
Insert the cable firmly.
to OPTICAL DIGITAL OUT (MD) jack
to OPTICAL DIGITAL IN jack

Notes
- You cannot use the digital output jack (OPTICAL DIGITAL OUT) to dub to another digital component with a sampling frequency different from that of the MD unit such as DAT (32 kHz, 48 kHz). In these cases, use the analog output jack (LINE OUT) as described next in the next section, *Hooking up a component with analog input capability*.
- Do not touch the terminals of the optical cable since contamination from the fingers may interfere with the signal output.

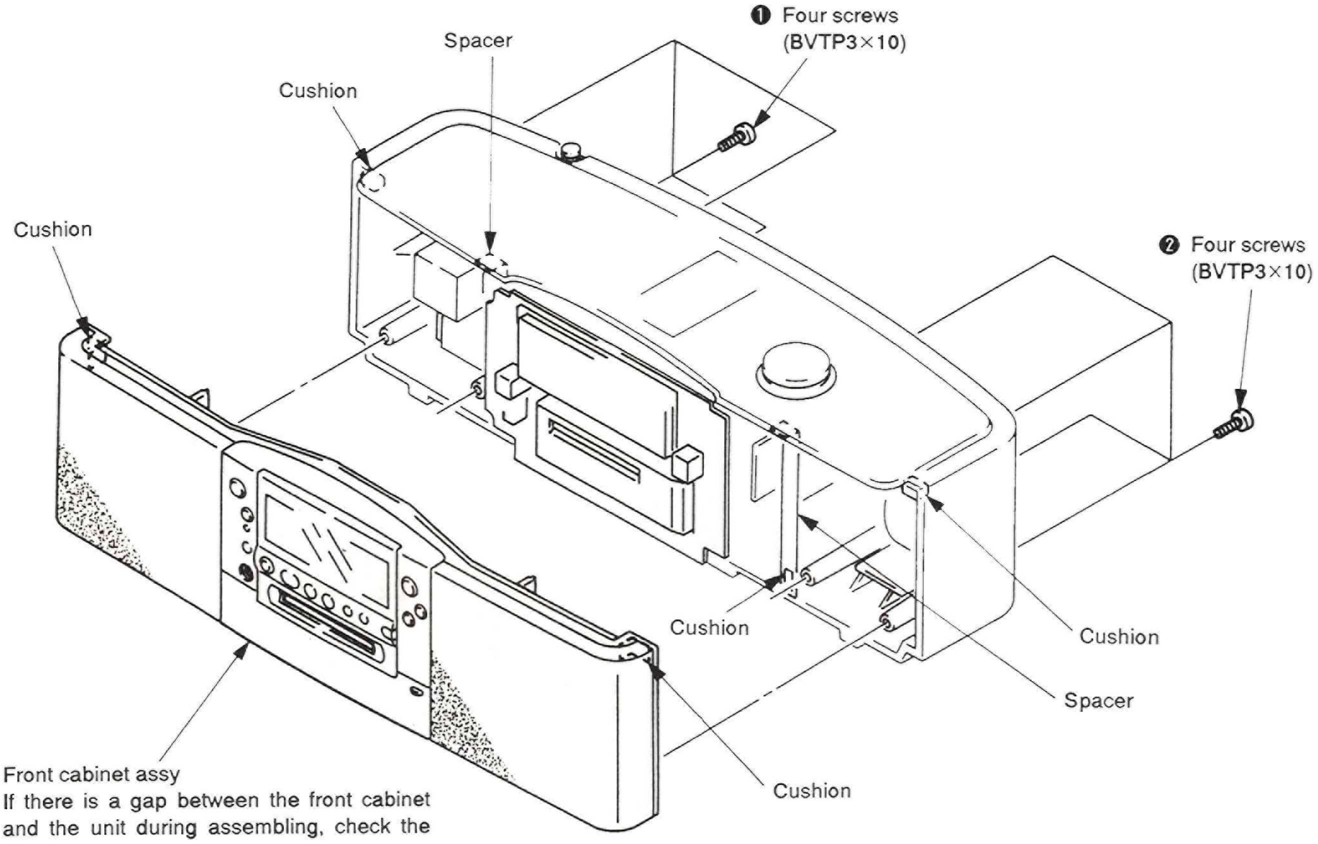
Hooking up a component with analog input capability

Use an RK-G136 (not supplied) to connect the analog input jack of the other component to the LINE OUT jack.



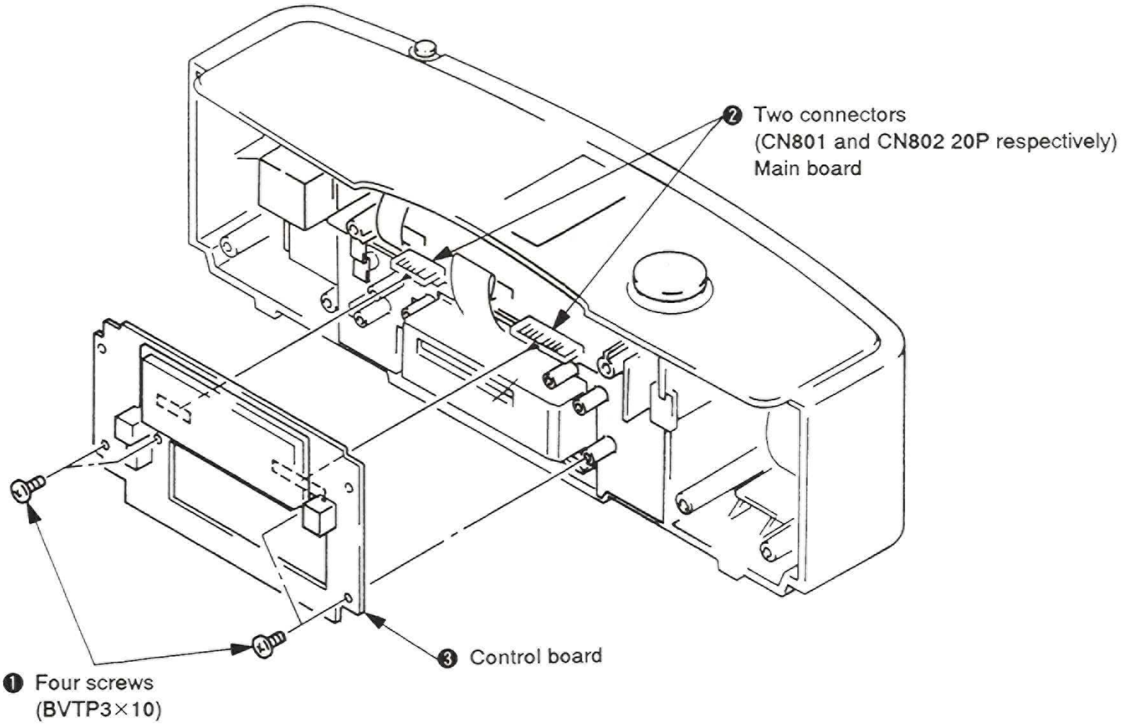
SECTION 2
DISASSEMBLY

2-1. FRONT CABINET ASSY REMOVAL

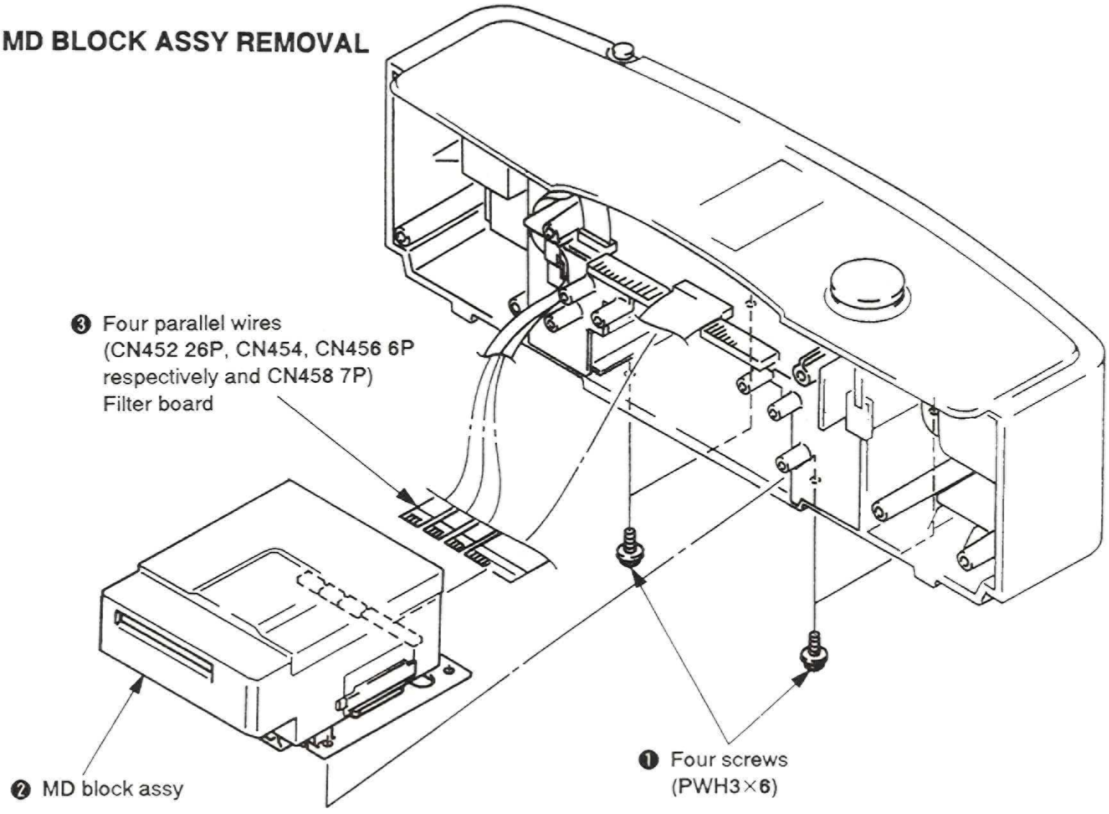

❶ Four screws
(BVTP3×10)
Spacer
Cushion
Cushion
❷ Four screws
(BVTP3×10)
Cushion
Cushion
Spacer
Cushion

❸ Front cabinet assy
※ If there is a gap between the front cabinet and the unit during assembling, check the spacers and cushions for disengagement.

2-2. CONTROL BOARD REMOVAL


❷ Two connectors
(CN801 and CN802 20P respectively)
Main board
❸ Control board
❶ Four screws
(BVTP3×10)

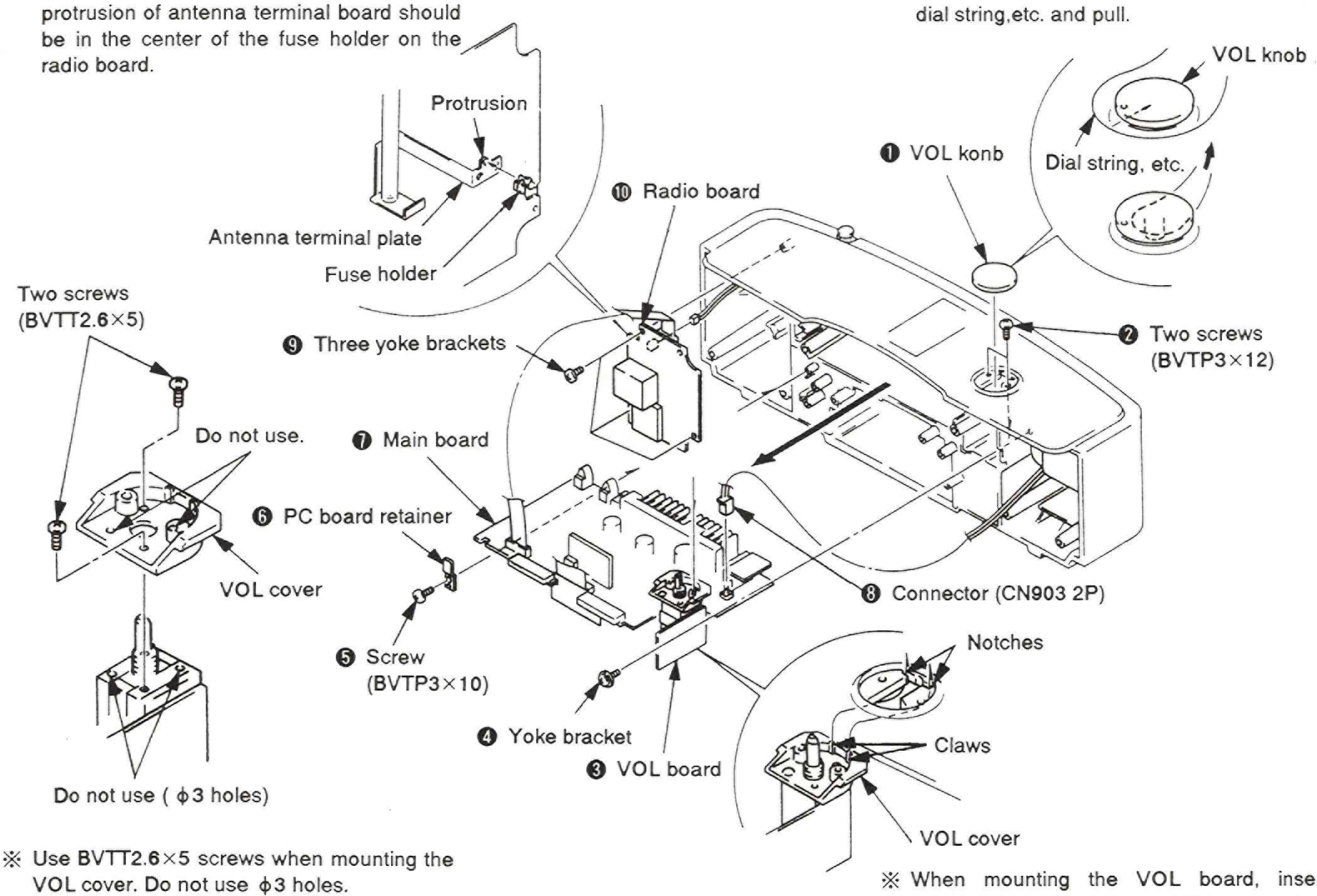
2-3. MD BLOCK ASSY REMOVAL


❸ Four parallel wires
(CN452 26P, CN454, CN456 6P
respectively and CN458 7P)
Filter board
❷ MD block assy
❶ Four screws
(PWH3×6)

2-4. MAIN BOARD AND RADIO BOARD REMOVAL

※ When mounting the radio board, a protrusion of antenna terminal board should be in the center of the fuse holder on the radio board.

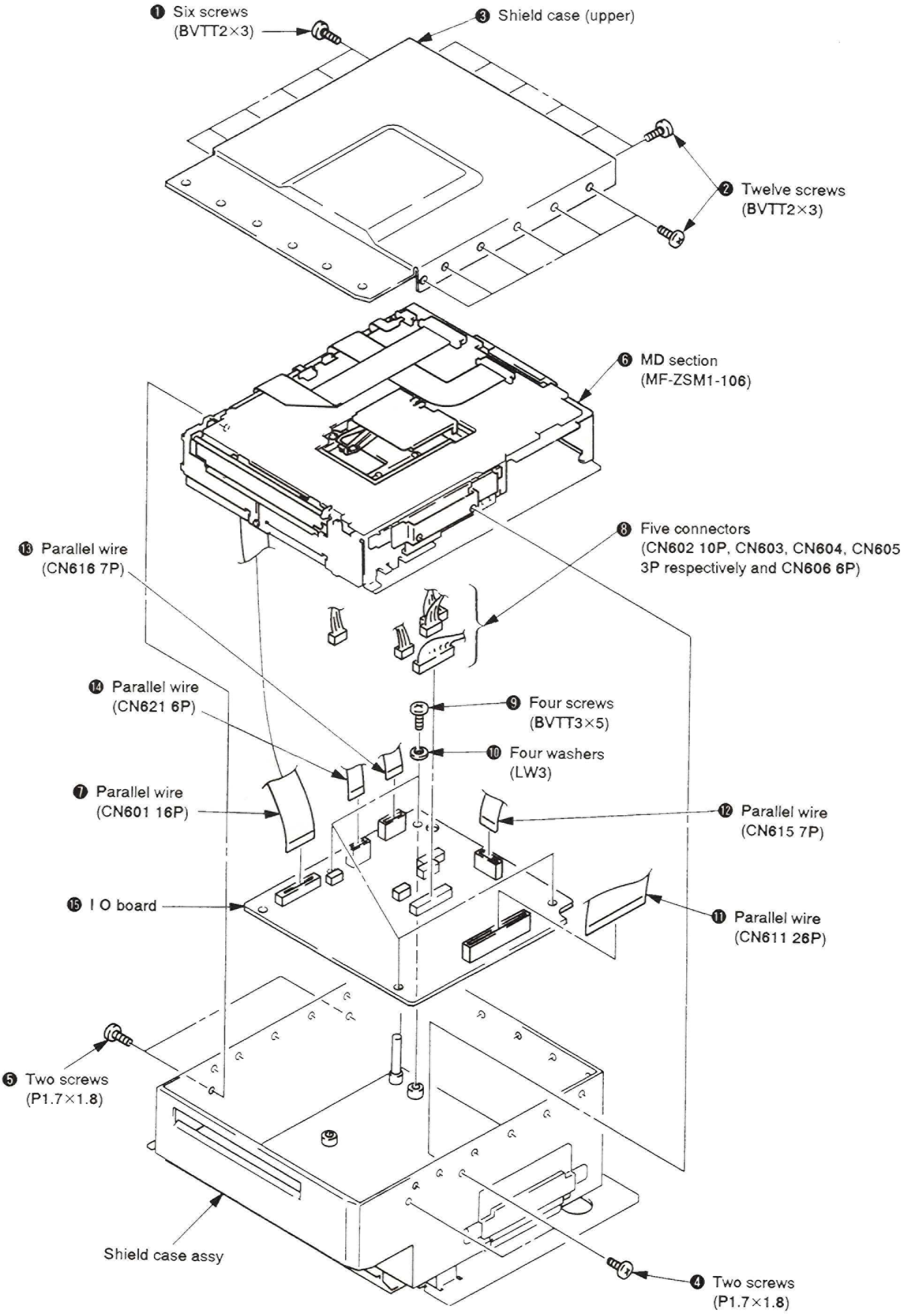
※ For easy removal, hook the knob using a dial string,etc. and pull.


Protrusion
Antenna terminal plate
Fuse holder
VOL knob
❶ VOL konb
Dial string, etc.
❿ Radio board
Two screws
(BVTT2.6×5)
❾ Three yoke brackets
❷ Two screws
(BVTP3×12)
Do not use.
❼ Main board
❻ PC board retainer
VOL cover
❽ Connector (CN903 2P)
Notches
❺ Screw
(BVTP3×10)
Claws
❹ Yoke bracket
❸ VOL board
Do not use (ϕ3 holes)
VOL cover

※ Use BVTT2.6×5 screws when mounting the VOL cover. Do not use ϕ3 holes.

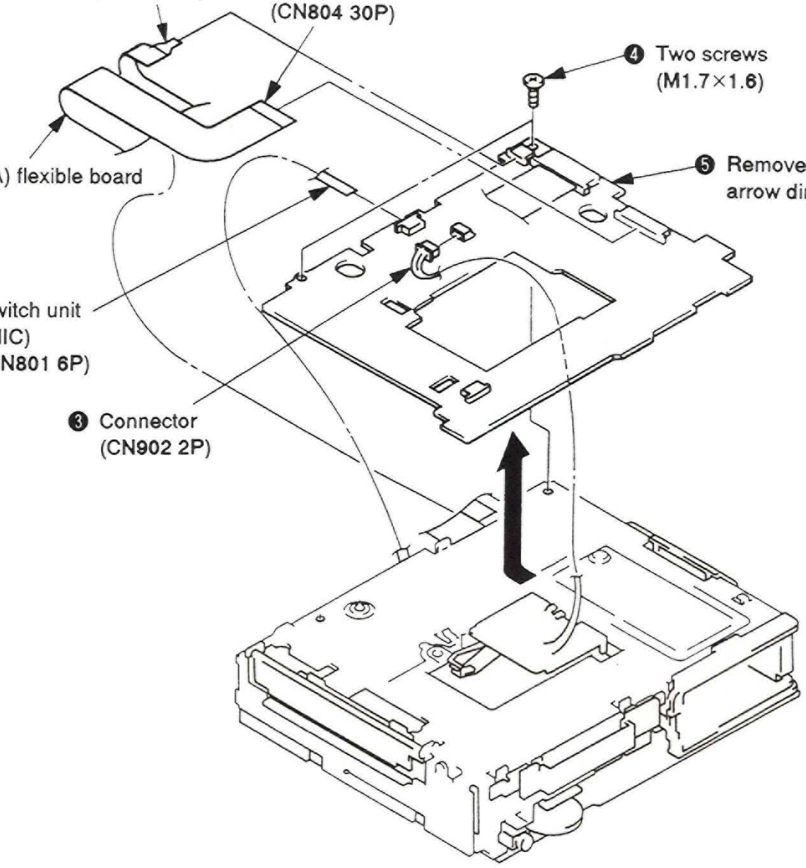
※ When mounting the VOL board, insert completely two claws on VOL cover into notches in the rear cabinet.

2-5. MD SECTION (MF-ZSM1-106) AND I O BOARD REMOVAL



❶ Six screws (BVTT2×3)
❸ Shield case (upper)
❷ Twelve screws (BVTT2×3)
❻ MD section (MF-ZSM1-106)
⓭ Parallel wire (CN616 7P)
❽ Five connectors (CN602 10P, CN603, CN604, CN605 3P respectively and CN606 6P)
⓮ Parallel wire (CN621 6P)
❾ Four screws (BVTT3×5)
❿ Four washers (LW3)
❼ Parallel wire (CN601 16P)
⓬ Parallel wire (CN615 7P)
⓯ I O board
⓫ Parallel wire (CN611 26P)
❺ Two screws (P1.7×1.8)
Shield case assy
❹ Two screws (P1.7×1.8)

2-6. CONTROL BOARD (MD) REMOVAL



❹ Two screws (M1.7×1.6)

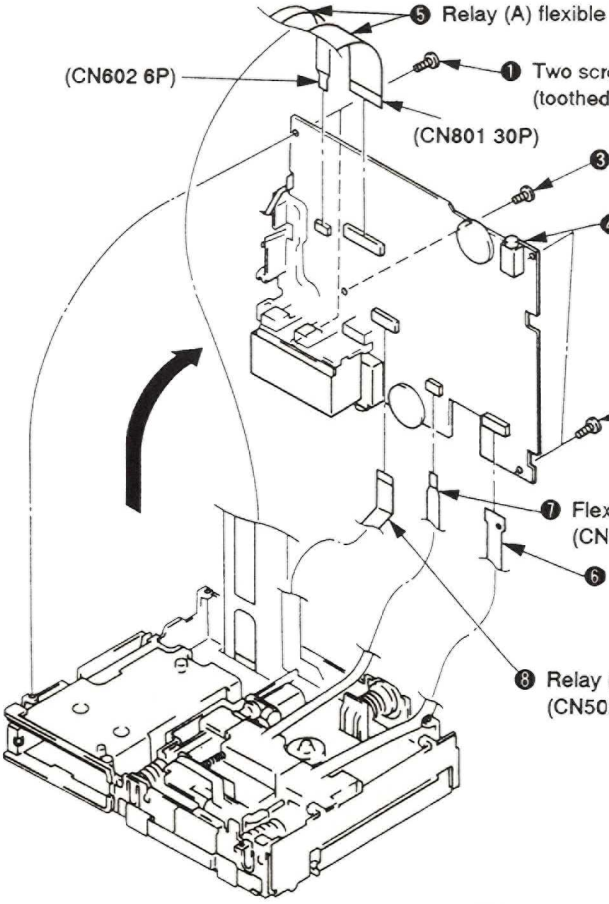
❺ Remove the control board (MD) in the arrow direction by pulling the five claws.

❶ Relay (A) flexible board

❷ Switch unit (MIC) (CN801 6P)

❸ Connector (CN902 2P)

2-7. MAIN BOARD (MD) REMOVAL



❺ Relay (A) flexible board

❶ Two screws (toothed small screw M1.7×4.0)

❸ Screw (PTP1.7×3)

❹ Lift the main board (MD) in the arrow direction.

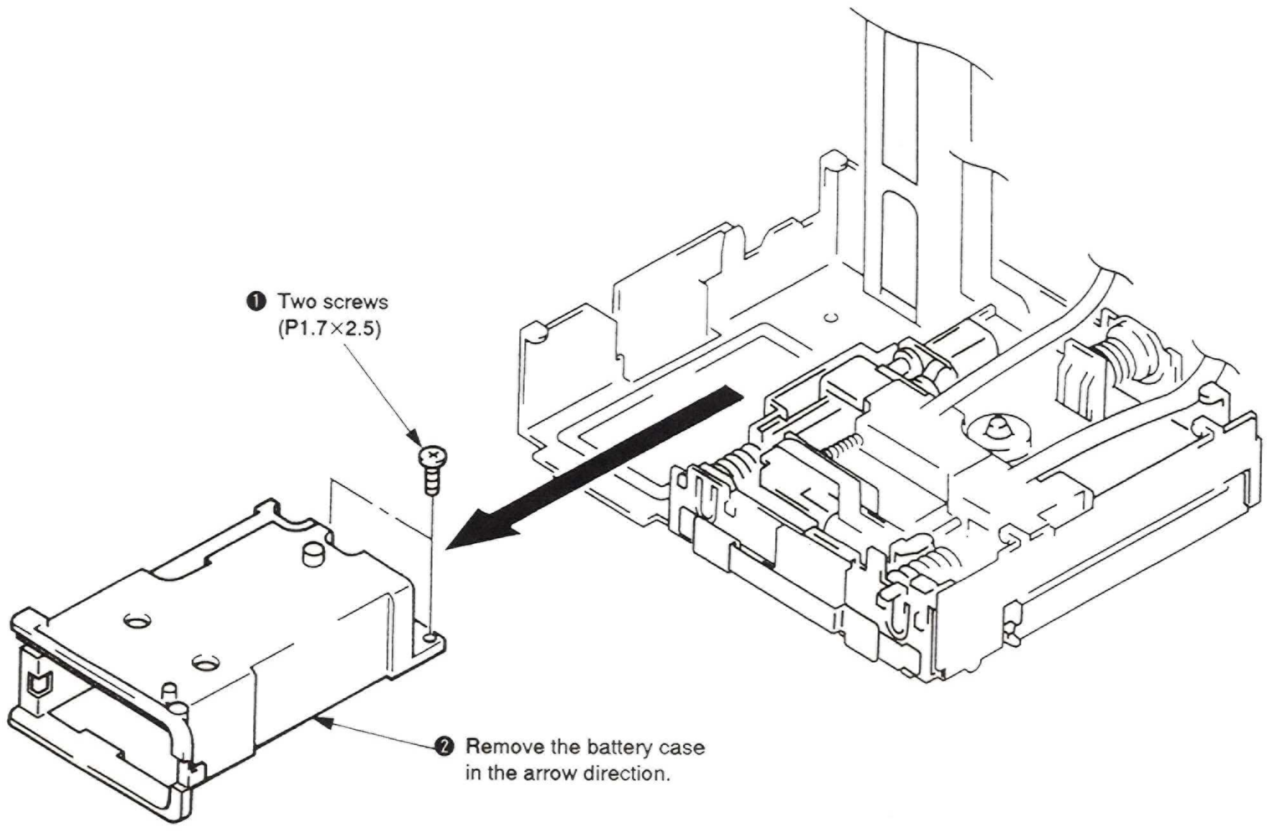
❷ Two screws (toothed small screw M1.7×4.0)

❼ Flexible board (CN503 6P)

❻ Flexible board (CN501 18P)

❽ Relay (B) flexible board (CN502 15P)

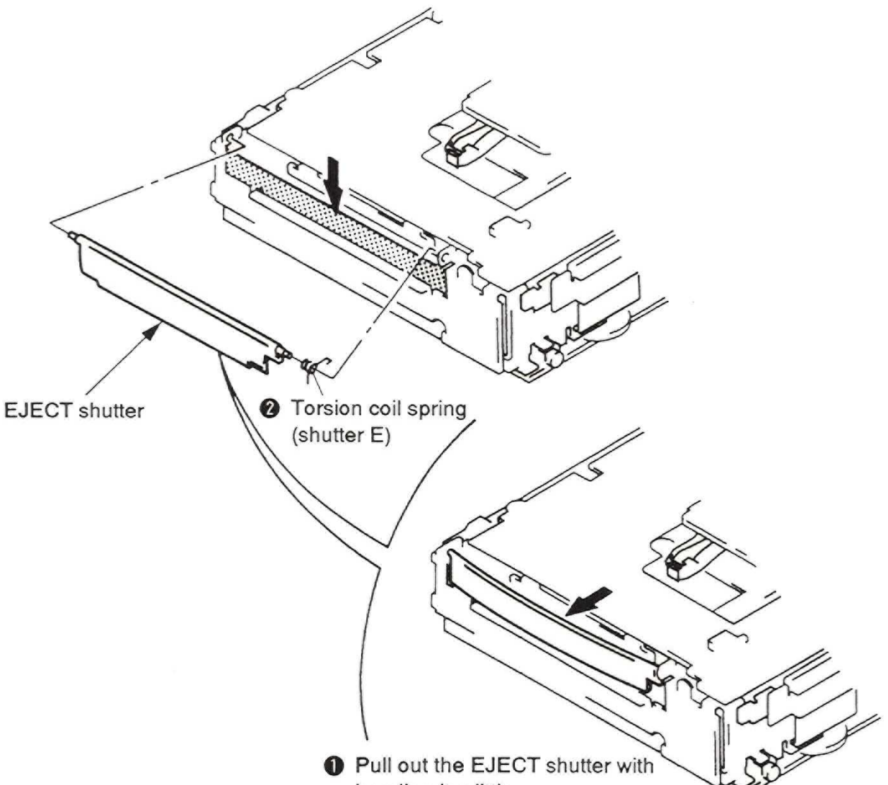
2-8. BATTERY CASE REMOVAL



❶ Two screws (P1.7×2.5)

❷ Remove the battery case in the arrow direction.

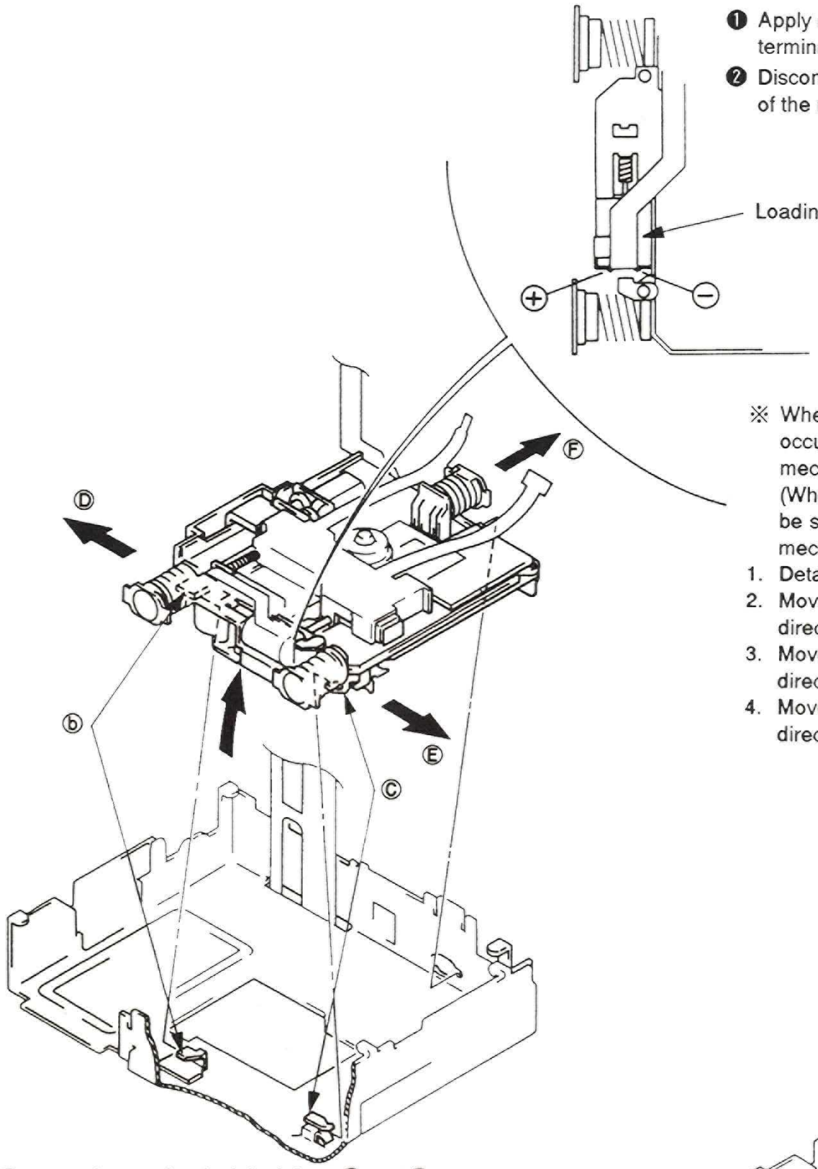
2-9. EJECT SHUTTER REMOVAL



❷ Torsion coil spring (shutter E)

❶ Pull out the EJECT shutter with bending it a little.
(When attaching, press down the red shutter and insert the EJECT shutter into the red shutter.)

2-10. MECHANICAL DECK ASSY (MT-MZ1-106) REMOVAL



❶ Apply approx. 2V to the loading motor terminal to set it in loading condition.

❷ Disconnect the connector (control board) of the magnetic head.

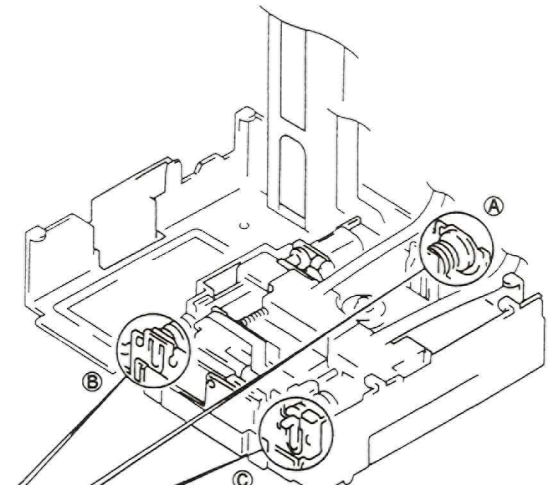
※ When the loading condition can not occur due to the loading motor or mechanical failure:
(When performing the following procedures, be sure to set the loading condition to avoid mechanical burden.)

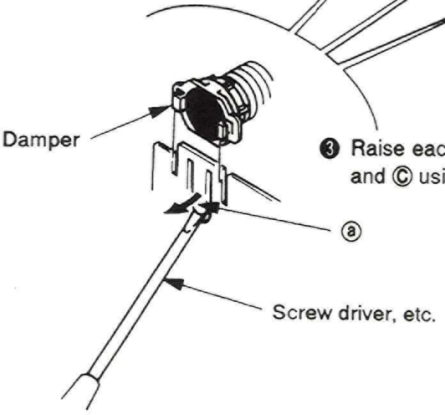
1. Detach the three dampers.
2. Move the mechanical deck in the arrow Ⓓ direction and unlock the ⓑ portion.
3. Move the mechanical deck in the arrow Ⓔ direction and unlock the Ⓒ portion.
4. Move the mechanical deck in the arrow Ⓕ direction and remove the mechanical deck.

❹ Remove the mechanical deck from Ⓑ and Ⓒ portions first. (When installing, remove the damper at Ⓐ portion from the mechanical deck and mount the damper on the chassis, then mount the mechanical deck to Ⓐ portion first.)

Note: Do not touch the optical block when removing the mechanical deck.

Note: During mounting the mechanical deck, activate the loading motor to make loading condition. (The mechanical deck can not be mounted unless loading condition.)

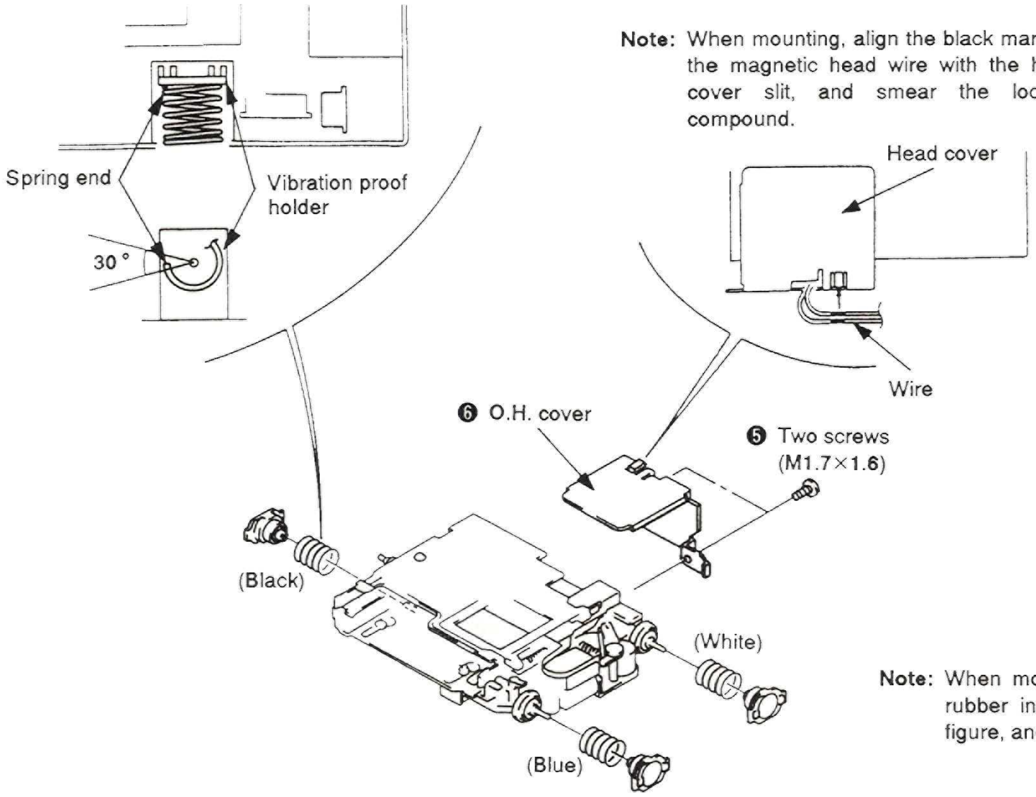


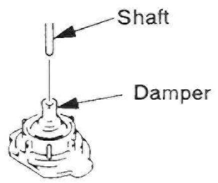


❸ Raise each ⓐ portion of the chassis Ⓐ, Ⓑ and Ⓒ using a screwdriver, etc.

Note: When mounting the mechanical deck, place the spring end of vibration proof holder side as shown in the figure below. (The balance condition of the mechanical deck makes the vertical held ejector in the best condition.)

Note: When mounting, align the black mark on the magnetic head wire with the head cover slit, and smear the locking compound.


Spring end
Vibration proof holder
30 °
Head cover
Wire
❻ O.H. cover
❺ Two screws (M1.7×1.6)
(Black)
(White)
(Blue)

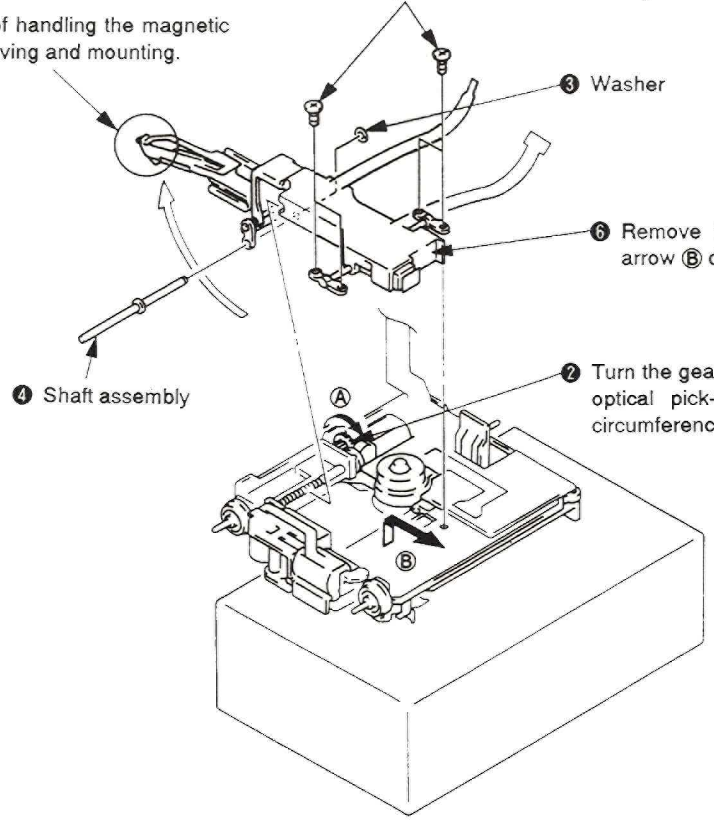

Shaft
Damper

Note: When mounting the damper, make the rubber in a condition as shown in the figure, and insert the shaft.

2-11. OPTICAL PICK-UP BLOCK (KMS-130B) REMOVAL

❶ Turn the loading motor to set in eject condition.

Note: Fully take care of handling the magnetic head when removing and mounting.



❺ Four screws (M1.7×2.5)
(When tightening the screws, place the mechanical deck on a stand, etc. to avoid the magnetic head of destruction.)

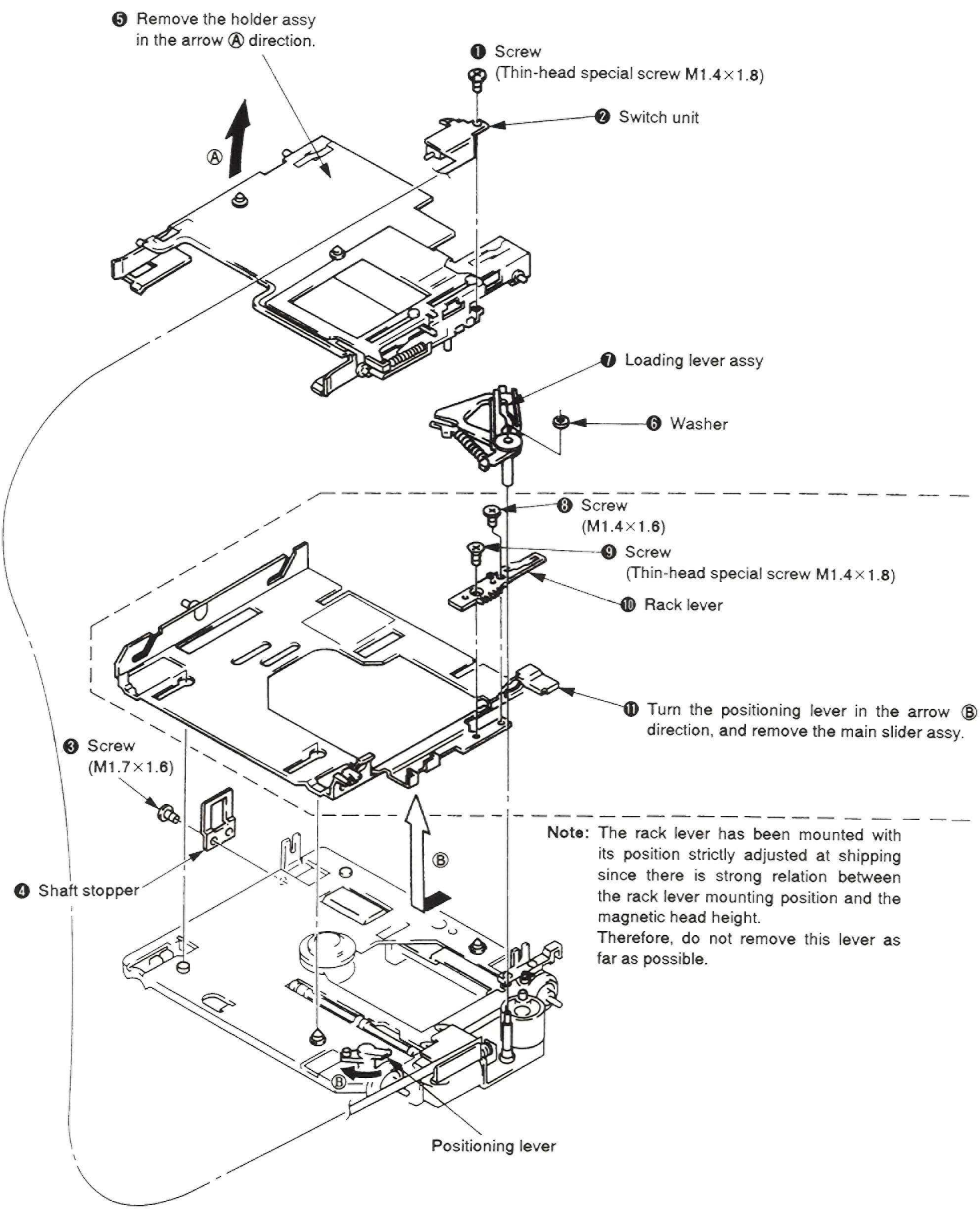
❸ Washer

❻ Remove the optical pick-up block in the arrow Ⓑ direction.

❹ Shaft assembly

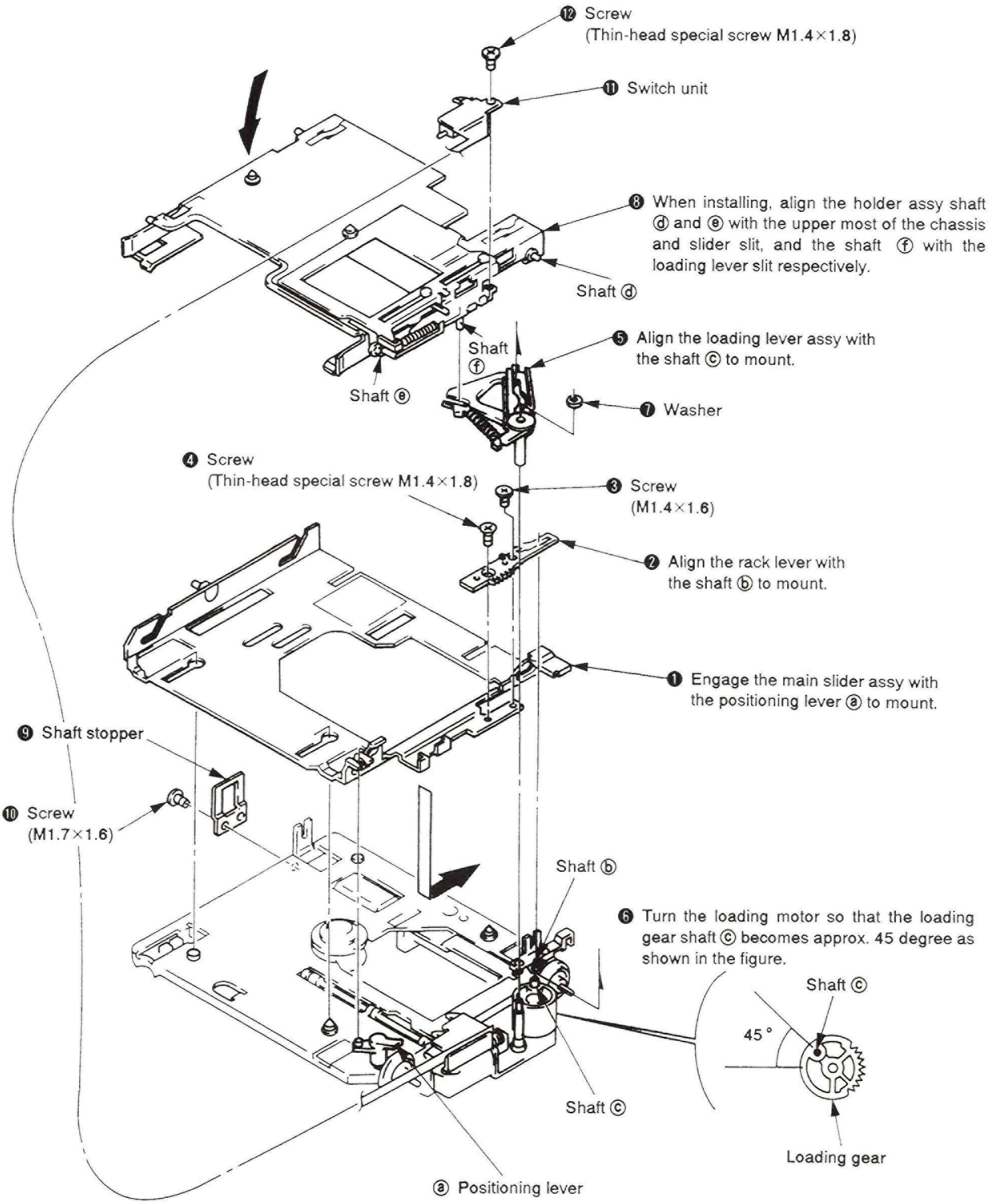
❷ Turn the gear in the direction Ⓐ to move the optical pick-up block to the inner most circumference.

2-12-1. HOLDER ASSY AND MAIN SLIDER ASSY REMOVAL


❺ Remove the holder assy
in the arrow Ⓐ direction.
Ⓐ
❶ Screw
(Thin-head special screw M1.4×1.8)
❷ Switch unit
❼ Loading lever assy
❻ Washer
❽ Screw
(M1.4×1.6)
❾ Screw
(Thin-head special screw M1.4×1.8)
❿ Rack lever
⓫ Turn the positioning lever in the arrow Ⓑ direction, and remove the main slider assy.
❸ Screw
(M1.7×1.6)
❹ Shaft stopper
Ⓑ
Ⓑ
Positioning lever

Note: The rack lever has been mounted with its position strictly adjusted at shipping since there is strong relation between the rack lever mounting position and the magnetic head height.
Therefore, do not remove this lever as far as possible.

2-12-2. HOLDER ASSY AND MAIN SLIDER ASSY INSTALLATION



❶ Engage the main slider assy with the positioning lever ⓐ to mount.

❷ Align the rack lever with the shaft ⓑ to mount.

❸ Screw (M1.4×1.6)

❹ Screw (Thin-head special screw M1.4×1.8)

❺ Align the loading lever assy with the shaft ⓒ to mount.

❻ Turn the loading motor so that the loading gear shaft ⓒ becomes approx. 45 degree as shown in the figure.

❼ Washer

❽ When installing, align the holder assy shaft ⓓ and ⓔ with the upper most of the chassis and slider slit, and the shaft ⓕ with the loading lever slit respectively.

❾ Shaft stopper

❿ Screw (M1.7×1.6)

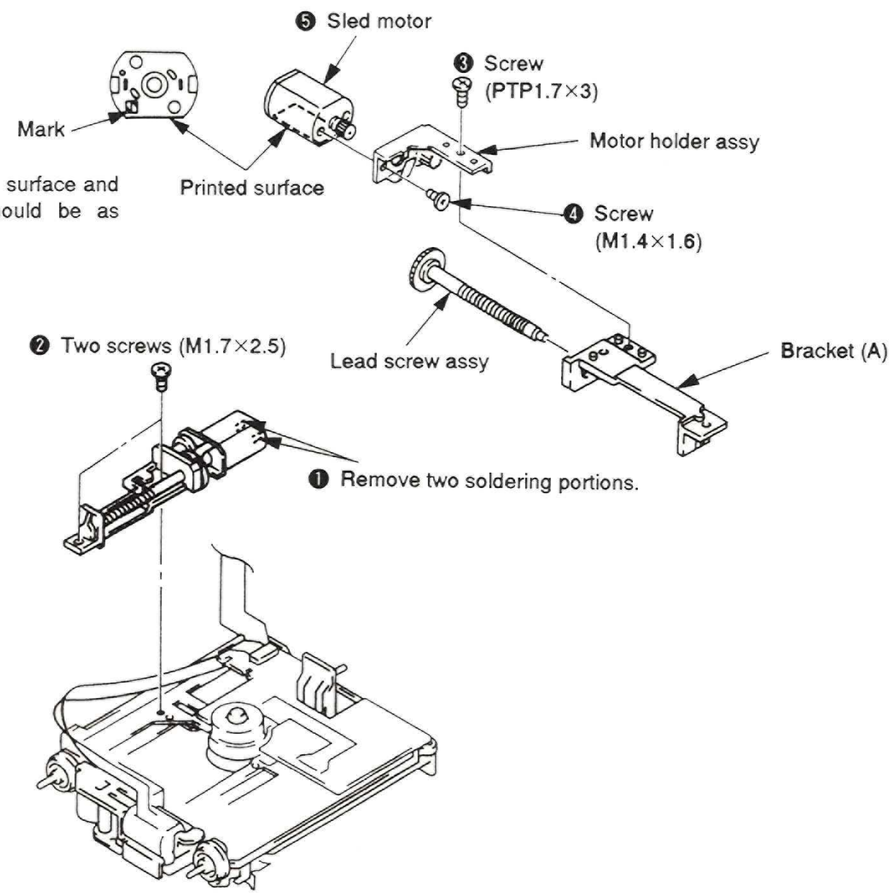
⓫ Switch unit

⓬ Screw (Thin-head special screw M1.4×1.8)

Shaft ⓓ
Shaft ⓕ
Shaft ⓔ
Shaft ⓑ
Shaft ⓒ
45 °
Shaft ⓒ
Loading gear
ⓐ Positioning lever

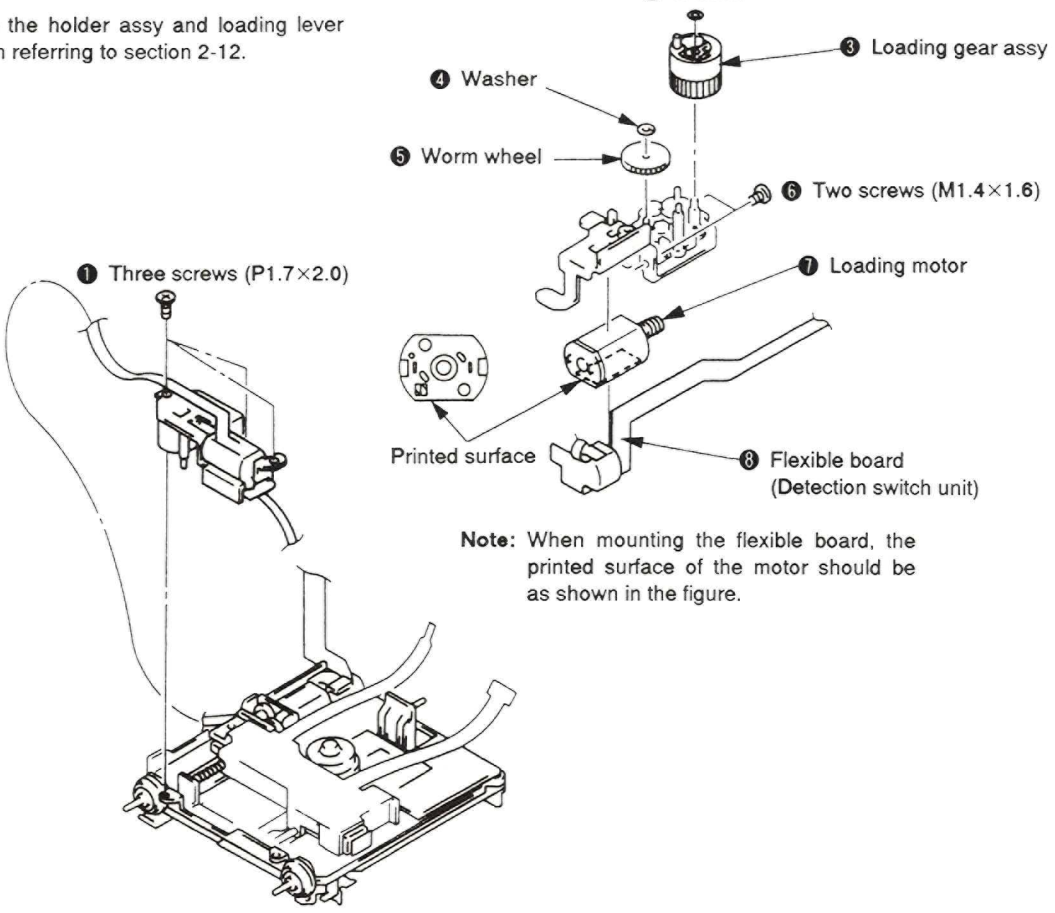
2-13. SLED MOTOR REMOVAL

Note: When mounting, the printed surface and ⊕ mark of the motor should be as shown in the figure.


❺ Sled motor
❸ Screw (PTP1.7×3)
Mark
Motor holder assy
Printed surface
❹ Screw (M1.4×1.6)
❷ Two screws (M1.7×2.5)
Lead screw assy
Bracket (A)
❶ Remove two soldering portions.

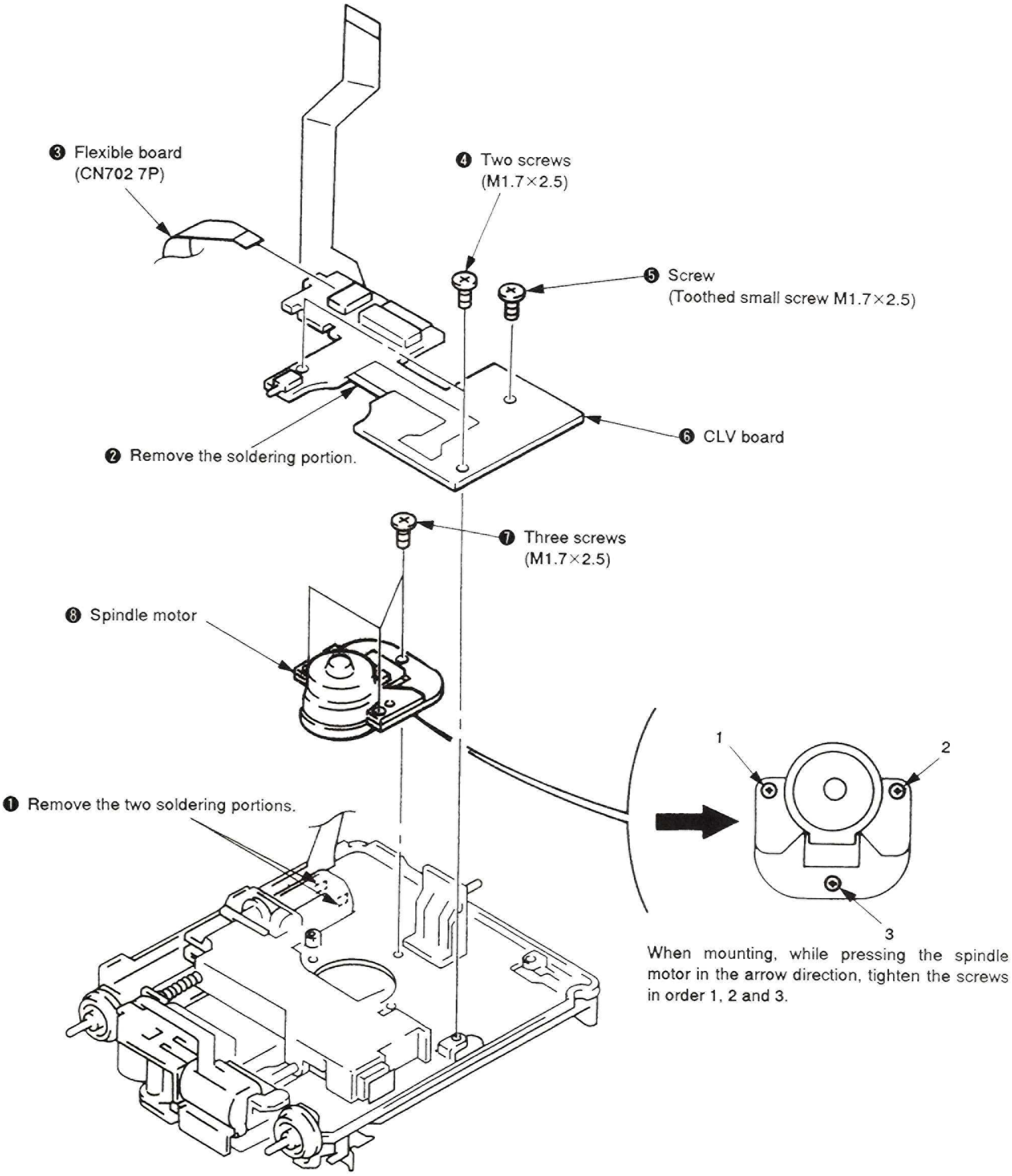
2-14. LOADING MOTOR REMOVAL

※ Remove the holder assy and loading lever assy with referring to section 2-12.


❷ Washer
❸ Loading gear assy
❹ Washer
❺ Worm wheel
❻ Two screws (M1.4×1.6)
❶ Three screws (P1.7×2.0)
❼ Loading motor
Printed surface
❽ Flexible board (Detection switch unit)

Note: When mounting the flexible board, the printed surface of the motor should be as shown in the figure.

2-15. SPINDLE MOTOR REMOVAL


❸ Flexible board
(CN702 7P)
❹ Two screws
(M1.7×2.5)
❺ Screw
(Toothed small screw M1.7×2.5)
❻ CLV board
❷ Remove the soldering portion.
❼ Three screws
(M1.7×2.5)
❽ Spindle motor
❶ Remove the two soldering portions.
1
2
3

When mounting, while pressing the spindle motor in the arrow direction, tighten the screws in order 1, 2 and 3.

SECTION 3
IC PIN FUNCTIONS

IC601 EFM/ACIR ENCODER/DECODER (CXD2525R)

* (3) of I/O is state output and (A) is analog output.

Pin Name	Signal Name	I/O	Function
1	MDP	O (3)	Spindle motor servo control
2	MDS	O (3)	Spindle motor servo control
3	EFMI	I	Playback EFM input
4	ASY	O	Playback EFM full-swing output
5	LOCK	O	Spindle servo (CLV) lock state monitor. Locks at "H".
6	VCOO	O	EFM decoder analog PLL oscillation output (196Fs=8.6436 MHz)
7	VCOI	I	EFM decoder analog PLL oscillation input (196Fs=8.6436 MHz)
8	TEST1	I	Test pin. Normally GND.
9	PDO	O (3)	EFM decoder analog PLL phase comparison output
10	VSS	–	Digital GND
11	EFMO	O	EFM output during recording
12	ATER	O	ADIP CRC flag output. "H" when error.
13	CNIN	I	Track jump number count signal input
14	SENS	O (3)	Internal status output pin for the serial bus address
15	SYPL	I	SQSY, ADSY, DQSY, MQSY polarity switching input pin. Active high when "H". (to GND)
16	FILO	O (A)	Digital PLL master PLL filter output
17	FILI	I	Digital PLL master PLL filter input
18	PCO	O (3)	Digital PLL master PLL phase comparison output
19	AVSS	–	Analog GND
20	CLTV	I	Digital PLL master PLL VCO control voltage input
21	AVDD	–	Analog power supply
22	XRST	I	System reset input. Active low
23	REC	I	Decoder when "L" and encoder when "H"
24	TEST8	I	Test pin. Normally GND
25	SCLK	I	Serial bus clock input
26	XLAT	I	Serial bus latch input
27	SWDT	I	Serial bus writing data input
28	SRDT	O (3)	Serial bus reading data output
29	ADSY	O	ADIP sync output
30	SQSY	O	Sub code Q sync output
31	VDD	–	Digital power supply
32	DQSY	O	Sync (SCOR) output of sub code Q of the digital in U-bit CD format
33	TEST7	O	Open
34	DTI	I	Recording audio signal input
35	DTO	O (3)	Playback audio signal output. High impedance during recording
36	C2PO	O	PLayback: C2PO. Digital REC: D, In-VFLAG. Analog REC: 0
37	BCK	O	2.8224 MHz output (MCLK system)
38	XBCK	O	BCK reverse output (MCLK system)
39	LRCK	O	44.1 kHz (=Fs) (MCLK system)
40	WDCK	O	88.2 kHz (MCLK system)

Pin Name	Signal Name	I/O	Function
41	FS4	O	176.4 kHz (MCLK system)
42	GTOP	O	Opens the sync protection window when "H" (INPUT EFM SYNC monitor output) (not used)
43	XUGFS	O	Unguarded frame sync at "L" (INPUT EFM SYNC monitor output) (not used)
44	XPLCK	O	EFM decoder PLL clock output (98Fs=4.3218MHz)
45	GFS	O	Frame sync OK at "H" (INPUT EFM SYNC monitor output)
46	EPDO	O (3)	EFM encoder external PLL phase comparison output. Freq.: low → "H"
47	RFCK	O	7.35 kHz output (MCLK system)
48	EVCI	I	EFM encoder external PLL oscillation input (196 Fs=8.6436 MHz)
49	EVCO	O	EFM encoder external PLL oscillation output (196 Fs=8.6436 MHz)
50	VSS	–	Digital GND
51	MCLK	O	22.579 MHz output. Duty will not be protected.
52	XTAI	I	Crystal oscillation input (512 Fs=22.5792 MHz)
53	XTAO	O	Crystal oscillation output (512 Fs=22.5792 MHz)
54	TEST9	I	Fixed at "L"
55	MVCI	I	Digital-in PLL oscillation input (512 Fs=22.5792 MHz)
56	MVCO	O	Digital-in PLL oscillation output (512 Fs=22.5792 MHz)
57	TEST2	O	Fixed at "Open"
58	DIPD	O (3)	Digital PLL phase comparison output. Freq.: low → "L"
59	RAOF	O	RAM overflow output (Monitor output of decoder)
60	MT3	O	Playback corrected state monitor output
61	MT2	O	Playback corrected state monitor output
62	MT1	O	Playback corrected state monitor output
63	MT0	O	Playback corrected state monitor output
64	WFCK	O	7.35 kHz output (EFM decoder PLL system during playback, EFM encoder PLL system during recording)
65	DIN	I	Digital audio input pin
66	MD2	I	Digital audio out ON/OFF pin. ON when "H"
67	DOUT	O	Digital audio output pin
68	DIDT	O	Audio data output pin of the digital audio input pin
69	DODT	I	16-bit data input pin for the digital audio output
70	DOVF	I	Validity flag input pin for the digital audio
71	VDD	–	Digital power supply
72	TEST3	I	Fixed at "L"
73	TEST4	O	Fixed at "Open"
74	TEST5	I	Fixed at "L"
75	TEST6	I	Fixed at "L"
76	FMCK	I	ADIP reading clock input (6.3 kHz) (TTL Schmidt input)
77	FMDT	I	ADIP data input (TTL Schmidt input)
78	ADFG	I	ADIP carrier signal input (20.05 kHz) (TTL Schmidt input)
79	FSW	O (3)	Spindle motor output filter switching output. "Z" when CLV-P. Others: "L"
80	NON	O	Spindle motor ON/OFF control output. ON when "H"

Note:
- XUGFS is a frame sync obtained from the EFM signal and is a negative pulse. Signal before sync protection.
- PLL is made for XPLCK so that changes in the reversion and falling edge of the EFM PLL clock and the EFM signal match.
- The GFS signal becomes "H" when the frame sync and interpolation protection timing match.
- C2PO is a signal which shows the error state of the data.
- RAOF is a signal generated when the 32K RAM exceeds the ± 4F jitter margin.

IC602 Shockproof Memory Controller (CXD2526Q)

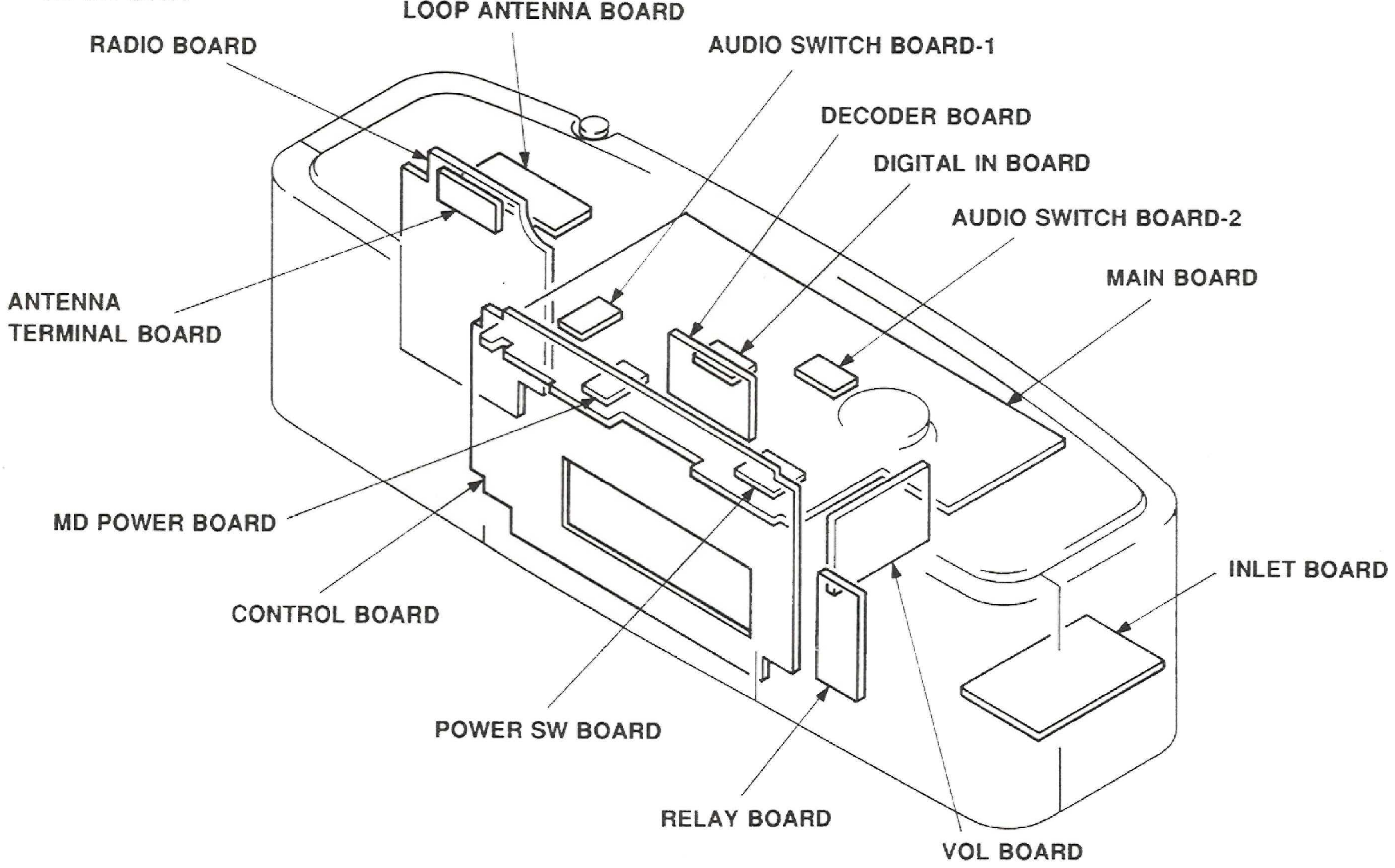
Pin Name	Signal Name	I/O	Function
1	A14	O	When RMSL is H: SRAM address bus A14. When RMSL is L: WFFUL (Note) (not used)
2	A15	O	When RMSL is H: SRAM address bus A15. When RMSL is L: RFEMP (Note) (not used)
3	A16	O	When RMSL is H: SRAM address bus A16. When RMSL is L: WFOVF (Note) (not used)
4	A17	O	When RMSL is H: SRAM address bus A17. When RMSL is L: WDTM (Note) (not used)
5	A18	O	When RMSL is H: SRAM address bus A18. When RMSL is L: ZERO (Note) (not used)
6	A19	O	When RMSL is H: SRAM address bus A19. When RMSL is L: MDTSC (Note) (not used)
7	A20	O	When RMSL is H: SRAM address bus A20. When RMSL is L: CMPSY (Note) (not used)
8	LRCK	I	LRCK input from the EFM encoder/decoder
9	BCK	I	BCK input from the EFM encoder/decoder
10	C2PO	I	C2PO input from the EFM decoder
11	DATA	I/O	Input/output data from the decoder during playback and that to the encoder during recording
12	VSS	–	GND
13	TEST	I	Test pin. Normally fixed at "L"
14	XRST	I	Reset input. Resets when "L"
15	MIN	I	External input monitor signal input pin. Inputs the signal to be monitored
16	SRDT	(HiZ) O	Microprocessor serial data output pin "Hi-z" when the CXD2526 read register is not selected
17	SWDT	I	Microprocessor serial data input pin
18	XSLT	I	Microprocessor serial data latch signal input pin
19	SCK	I	Microprocessor serial data shift lock input pin
20	SCTX	I	Data output enable signal input pin in the recording mode
21	RCPB	I	"L": Playback mode, "H": Recording mode
22	WRMN	I	"H": Write mode, "L": Monitor mode
23	SBMN	I	"H": Records the input signal according to the SDCT. "L": Records according to the DCT
24	XINT	O	Interrupting request output pin. "L" when the interrupting status is generated
25	MDSY	O	Input data MD sync detection signal
26	MEMFUL	O	"H" when the main data area is full with data
27	MEMEMP	O	"H" when the main data area is empty
28	UNDER	O	"H" when RMS<THUND
29	OVER	O	"H" when RMS ≧ THOVR
30	ERWR	O	"H" when the data which C2PO is effective is written in the RAM
31	BTOV4	O	"H" when BCT ≧ 400 (Hex)
32	TXST	O	"H" when data is transmitted
33	VDD	–	System power supply
34	BUSY	I/O	"H" when RAM is accessed
35	ZZ2	I	Test signal. Fixed at "H"
36	ZZ1	I	Test signal. Fixed at "H"
37	ZZ0	I	Test signal. Fixed at "H"
38	XALT	O	Data ready or latch signal to CXD2527R
39	ADT1	I	Pin for data input from CXD2527R
40	ADTO	O	Pin for data output to CXD2527R
41	ACK	O	Pin for data input/output clock output to CXD2527R
42	AC2	O	Pin for output data C2PO output to CXD2527R
43	XRQ	I	Pin for data request signal input from CXD2527R
44	SDCK	I	External sub data I/F shift clock input (to GND)
45	SBDT	I/O	External sub data I/F data output pin in the playback mode and the data input pin in the recording mode
46	XWT	O	External sub data I/F wait signal. Must not transmit the clock for reading the new data at "L" (not used)
47	SRDY	O	External sub data I/F access permission signal. Ignores the clock for sub data R/W if it is transmitted at "H" (not used)
48	MCK	O	128 fs output pin (not used)
49	F256	O	256 fs output pin (not used)
50	XTLO	O	System clock output pin (22.5792 MHz) (not used)
51	XTLI	I	System clock input pin (22.5792 Mhz)
52	VSS	–	GND
53	TEST	I	Fixed at "L"
54	RMSL	I	External RAM select pin. "H": SRAM. "L": DRAM
55	ERR	I/O	C2PO input/output pin when EXTC2R is "H"
56	D7	O	SRAM data line D7 when RMSL is "H". Test signal when "L". (not used)
57	D4	I/O	RAM data bus D4 when RMSL is "H". Test signal when "L".
58	D0	I/O	RAM data bus D0
59	D1	I/O	RAM data bus D1
60	D3	I/O	RAM data bus D3
61	D2	I/O	RAM data bus D2
62	XCAS	I/O	DRAM $\overline{CAS}$ output when RMSL is "L". Data bus D6 when "L"
63	XOE	O	RAM output enable
64	A10	O	RAM address bus A10 (not used)
65	XWE	O	RAM write enable
66	XRAS	I/O	DRAM $\overline{RAS}$ output when RMSL is "L". Data bus D5 when "H"
67	A11	O	RAM address bus A11 (not used)
68	A9	O	RAM address bus A9
69	A0	O	RAM address bus A0
70	A1	O	RAM address bus A1
71	A2	O	RAM address bus A2
72	A3	O	RAM address bus A3
73	VDD	O	System power
74	A8	O	RAM address bus A8
75	A7	O	RAM address bus A7
76	A6	O	RAM address bus A6
77	A5	O	RAM address bus A5
78	A4	O	RAM address bus A4
79	A12	O	RAM address bus A12 when RMSL is "H". CS output when "L" (not used)
80	A13	O	RAM address bus A13 when RMSL is "H". SYOK output when "L" (not used)

Note: WFFUL: Becomes "H" when the writing FIFO becomes full.
RFEMP: Becomes "H" when the reading FIFO becomes empty.
WFOVF: Becomes "H" when the writing FIFO becomes overflow.
WDTM: Outputs the window timing inside the D1 clock.
ZERO: Outputs "H" when BCT is 0.
MDTSC: Becomes "H" when the input data header selector is 00 to IF and "L" at other times.
CMPSY: Interpolation sync timing.

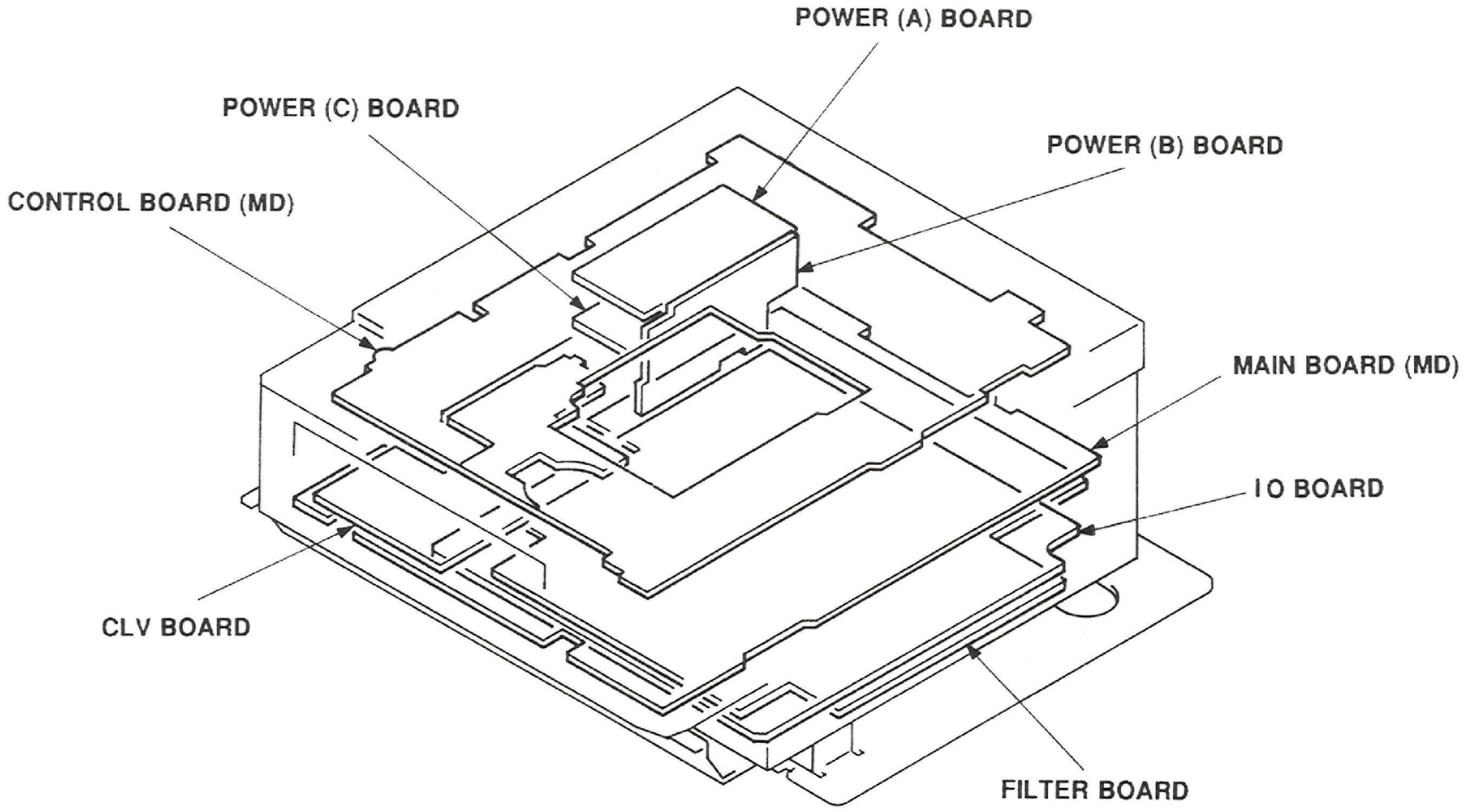
SECTION 4
DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION

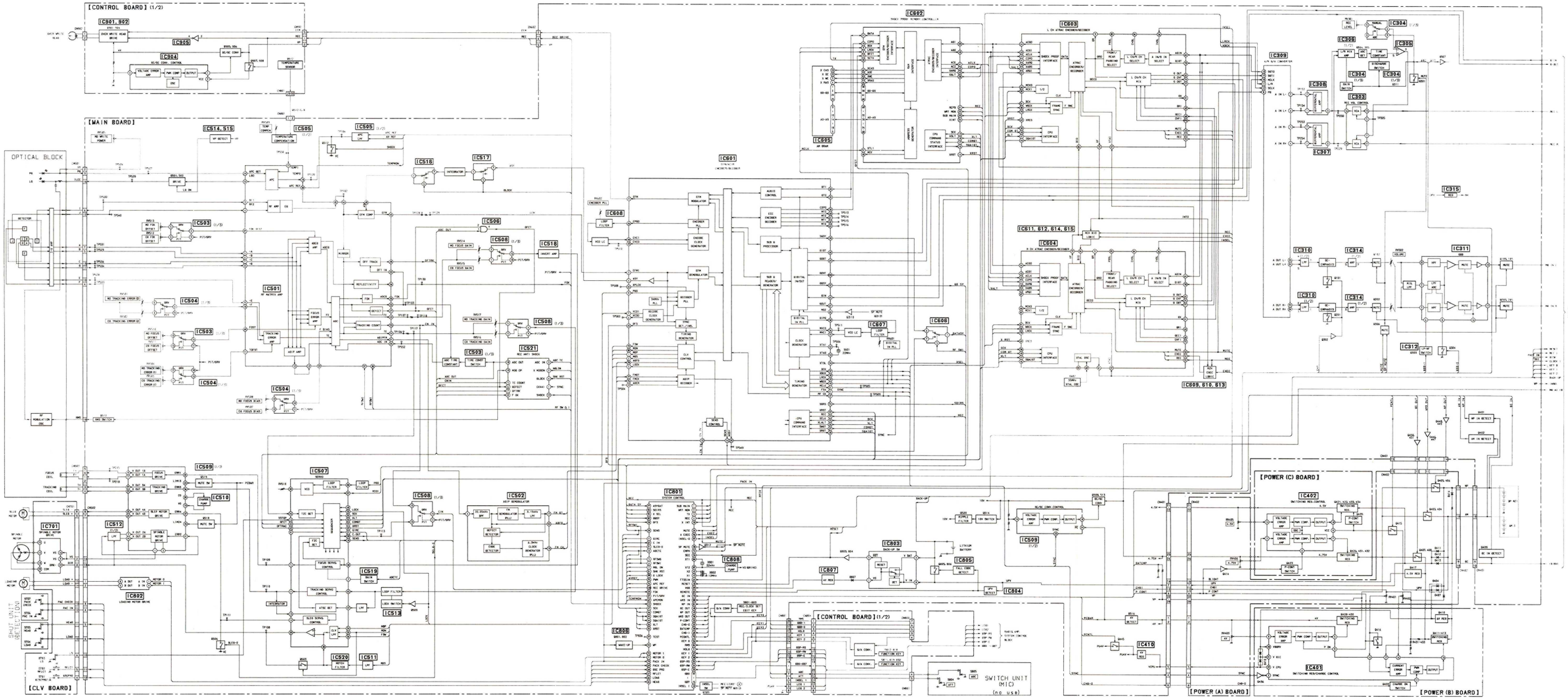
— MAIN UNIT —


LOOP ANTENNA BOARD
RADIO BOARD
AUDIO SWITCH BOARD-1
DECODER BOARD
DIGITAL IN BOARD
AUDIO SWITCH BOARD-2
MAIN BOARD
ANTENNA
TERMINAL BOARD
MD POWER BOARD
INLET BOARD
CONTROL BOARD
POWER SW BOARD
RELAY BOARD
VOL BOARD

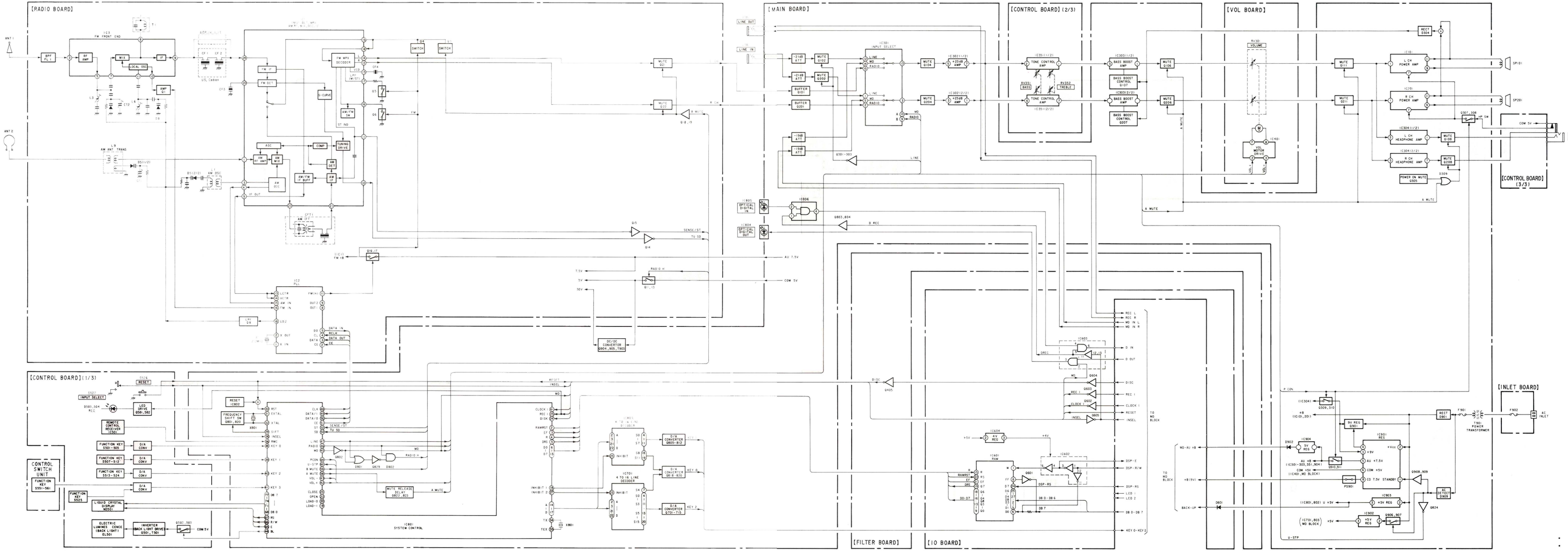
— MD BLOCK —


POWER (A) BOARD
POWER (C) BOARD
POWER (B) BOARD
CONTROL BOARD (MD)
MAIN BOARD (MD)
I O BOARD
CLV BOARD
FILTER BOARD

4-2. BLOCK DIAGRAM (1)


[CONTROL BOARD] (1/2)
IC901, 902
IC905
IC904
[MAIN BOARD]
OPTICAL BLOCK
IC514, 515
IC505
IC516
IC517
IC503
IC506
IC508
IC518
IC501
IC504
IC521
IC509
IC507
IC510
IC701
IC512
IC802
[CLV BOARD]
IC502
IC519
IC513
IC520
IC511
IC601
IC608
IC602
IC605
IC603
IC611, 612, 614, 615
IC604
IC606
IC607
IC609, 610, 613
IC309
IC304
IC306
IC305
IC308
IC303
IC307
IC315
IC310
IC314
IC311
IC312
IC801
IC808
IC806
IC807
IC803
IC805
IC804
[CONTROL BOARD] (1/2)
SWITCH UNIT (MIC) (no use)
[POWER (C) BOARD]
IC402
IC410
IC403
[POWER (A) BOARD]
[POWER (B) BOARD]

4-3. BLOCK DIAGRAM (2)


[RADIO BOARD]
ANT 1
BPF FL1
IC3 FM FRONT END
RF AMP
MIX
LOCAL OSC
IF
AMP Q1
ANT 2
L9 AM ANT TRANS
FM IF
FM DET
FM MPX DECODER
S-CURVE
AM/FM SW
ASC
COMP
TUNING DRIVE
AM RF AMP
AM MIX
AM OSC
AM DET
AM IF
AM/FM IF BUFF
IC2 PLL
SENSE/ST
TU SD
AU 7.5V
COM 5V
RADIO H
DC/DC CONVERTOR Q904,905,T903
[MAIN BOARD]
LINE OUT
LINE IN
ATT
MUTE Q102
MUTE Q202
BUFFER Q101
BUFFER Q201
IC301 INPUT SELECT
LINE
MD
RADIO
MUTE Q104
MUTE Q204
AMP
OPTICAL DIGITAL IN
OPTICAL DIGITAL OUT
IC806
D REC
[CONTROL BOARD] (2/3)
TONE CONTROL AMP
RV351 BASS
RV352 TREBLE
BASS BOOST AMP
BASS BOOST CONTROL Q107
BASS BOOST CONTROL Q207
MUTE Q106
MUTE Q206
[VOL BOARD]
RV301 VOLUME
VOL MOTOR DRIVE
MUTE Q111
MUTE Q211
L CH POWER AMP
R CH POWER AMP
SP101
SP201
L CH HEADPHONE AMP
R CH HEADPHONE AMP
MUTE Q108
MUTE Q208
POWER ON MUTE Q505
HEAD PHONES
[CONTROL BOARD] (3/3)
A MUTE
[CONTROL BOARD] (1/3)
RESET
INPUT SELECT
LED DRIVE Q581,582
REMOTE CONTROL RECEIVER
FUNCTION KEY
A/D CONV
CONTROL SWITCH UNIT
LIQUID CRYSTAL DISPLAY
ELECTRIC LUMINES CENCE (BACK LIGHT) EL501
INVERTER (BACK LIGHT DRIVE) Q501,T501
FREQUENCY SHIFT SW
IC801 SYSTEM CONTROL
MUTE RELEASE DELAY
IC701 4 TO 16 LINE DECODER
D/A CONVERTER
[FILTER BOARD]
[IO BOARD]
IC601 RAM
4V REG
TO MD BLOCK
REC L
REC R
MD IN L
MD IN R
D IN
D OUT
DISC
REC I
CLOCK I
INSEL
DSP-E
DSP-R/W
DSP-RS
LED 1
LED 2
DB 0 - DB 7
KEY 0 - KEY 2
MD-AU +8
+B (9V)
BACK-UP
[INLET BOARD]
AC INLET
T901 POWER TRANSFORMER
RECT D901
9V REG Q901
IC901 REG
5V REG
+5V REG
AC DETECT D909
STANDBY

- G : German model
- IT : Italian model

4-4. PRINTED WIRING BOARDS

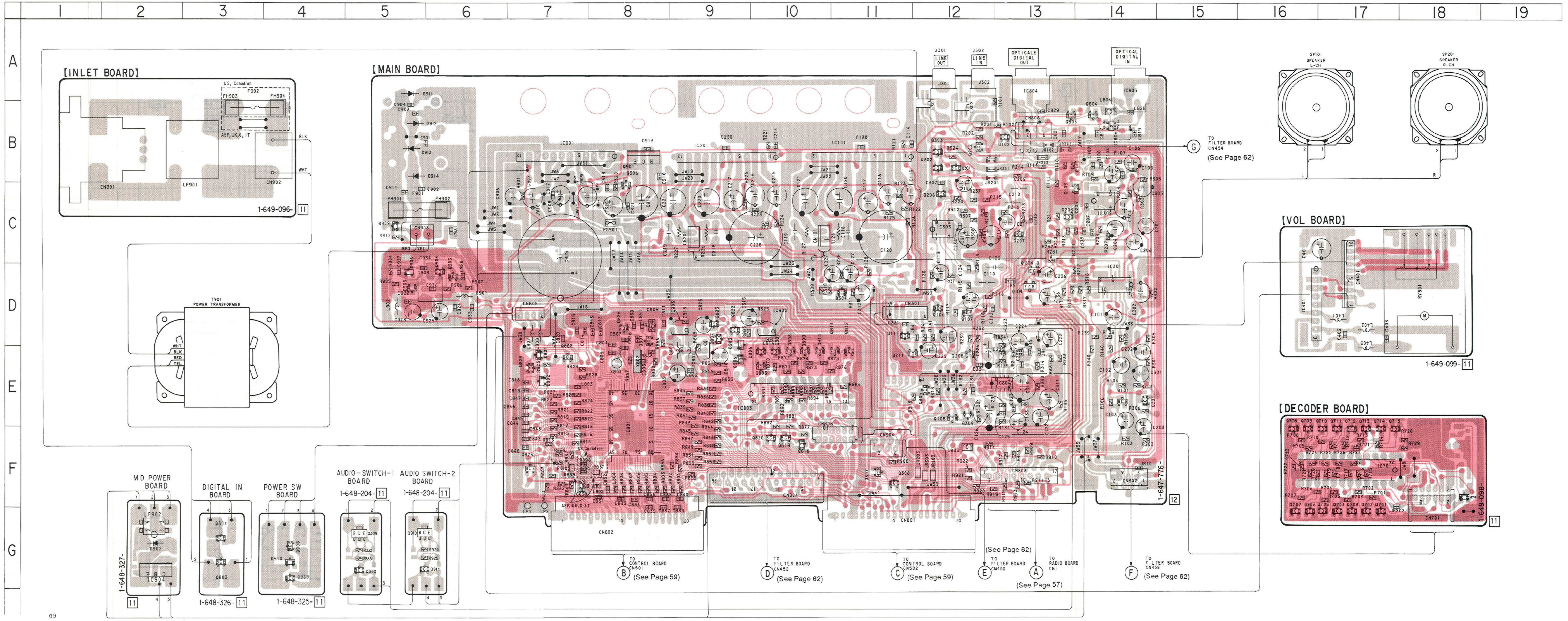
- MAIN SECTION 1 (MAIN, DECODER, VOL and INLET board)
- See page 37 for Circuit Boards Location and see page 91 for Semiconductor Lead Layouts.

- Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D304	D-11	Q303	B-12
D309	E-12	Q305	E-12
D701	F-18	Q306	B-8
D801	E-7	Q307	F-11
D802	E-7	Q308	F-11
D902	G-2	Q309	G-5
D903	D-9	Q310	G-5
D905	D-5	Q701	G-17
D906	D-5	Q702	G-17
D909	C-5	Q703	G-17
D910	G-4	Q704	G-17
D911	A-5	Q705	G-17
D912	B-5	Q706	G-16
D913	B-5	Q707	G-16
D914	C-5	Q708	E-16
		Q709	E-16
IC101	B-10	Q710	E-17
IC201	B-9	Q711	E-17
IC301	D-14	Q712	E-17
IC302	C-14	Q713	E-17
IC303	C-12	Q714	E-17
IC304	E-13	Q715	E-17
IC401	D-16	Q801	D-8
IC701	F-17	Q802	E-7
IC801	E-8	Q803	G-3
IC802	E-9	Q804	G-3
IC803	E-10	Q805	E-10
IC804	A-13	Q806	E-10
IC805	A-14	Q807	E-10
IC806	B-14	Q808	E-10
IC901	B-7	Q809	E-10
IC902	D-10	Q810	E-10
IC903	D-9	Q811	E-11
IC904	G-2	Q812	E-11
		Q818	F-10
Q101	E-14	Q819	F-10
Q102	B-13	Q820	F-10
Q103	C-14	Q822	D-9
Q104	D-13	Q823	D-9
Q106	D-12	Q824	F-7
Q107	D-12	Q826	D-8
Q108	E-12	Q829	E-7
Q111	D-11	Q901	B-8
Q201	E-14	Q904	D-6
Q202	B-12	Q905	D-6
Q204	D-13	Q906	E-9
Q203	C-14	Q907	D-9
Q206	C-12	Q908	G-4
Q207	C-13	Q909	G-4
Q208	E-12	Q910	G-5
Q211	E-11	Q911	G-5
Q301	B-12		
Q302	B-12		

Note:

- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.
- G : German model
- IT : Italian model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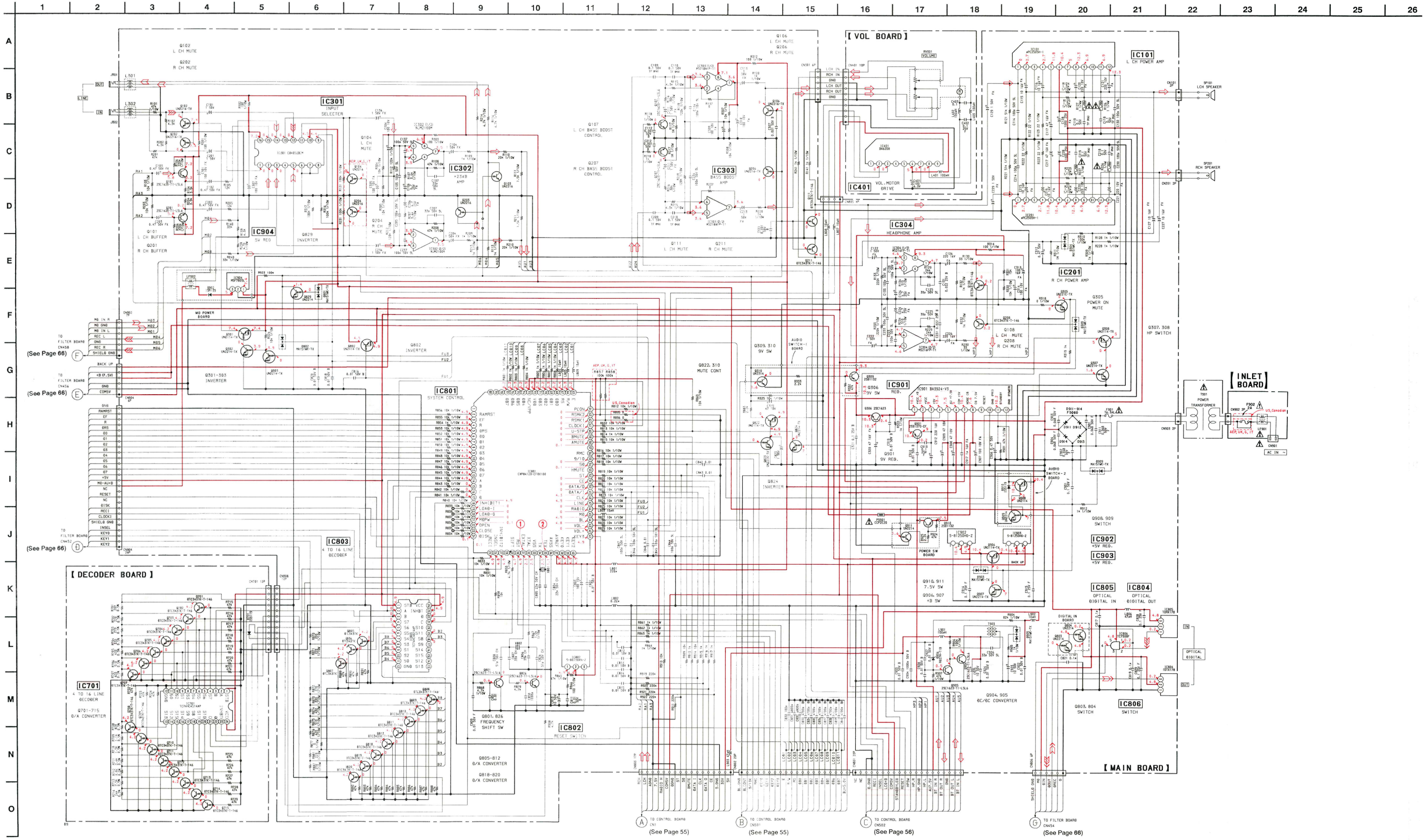
11
12
13
14
15
16
17
18
19
A
B
C
D
E
F
G
[INLET BOARD]
US, Canadian
AEP, UK, G, IT
FH903
F902
FH904
CN901
LF901
CN902
BLK
WHT
1-649-096-11
[MAIN BOARD]
IC901
IC201
IC101
C913
C230
C130
J301
LINE OUT
J302
LINE IN
OPTICAL DIGITAL OUT
OPTICAL DIGITAL IN
IC804
IC805
IC806
IC303
IC301
IC302
IC801
IC802
IC803
IC701
CN805
CN801
CN802
CN803
CN804
CN501
CN502
CN806
T901
POWER TRANSFORMER
WHT
BLK
RED
YEL
1-647-776-12
TO FILTER BOARD CN454
(See Page 62)
G
SP101
SPEAKER L-CH
SP201
SPEAKER R-CH
[VOL BOARD]
RV801
1-649-099-11
[DECODER BOARD]
CN701
1-649-098-11
MD POWER BOARD
1-648-327-11
IC904
DIGITAL IN BOARD
1-648-326-11
POWER SW BOARD
1-648-325-11
AUDIO-SWITCH-1 BOARD
1-648-204-11
AUDIO SWITCH-2 BOARD
1-648-204-11
TO CONTROL BOARD CN501
B
(See Page 59)
TO FILTER BOARD CN452
D
(See Page 62)
TO CONTROL BOARD CN502
C
(See Page 59)
TO FILTER BOARD CN456
E
(See Page 62)
TO RADIO BOARD CN1
A
(See Page 57)
TO FILTER BOARD CN458
F
(See Page 62)
09

4-5. SCHEMATIC DIAGRAMS

- MAIN SECTION 1 (MAIN, DECODER, VOL and INLET board)
- See page 92, 93 for IC Block Diagrams.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
A B C D E F G H I J K L M N O
Q102 L CH MUTE
Q202 R CH MUTE
IC301 INPUT SELECTER
IC302 +23dB AMP
IC303 BASS BOOST AMP
Q107 L CH BASS BOOST CONTROL
Q207 R CH BASS BOOST CONTROL
Q106 L CH MUTE
Q206 R CH MUTE
[VOL BOARD]
IC401 VOL.MOTOR DRIVE
IC101 L CH POWER AMP
SP101 LCH SPEAKER
SP201 RCH SPEAKER
IC201 R CH POWER AMP
IC304 HEADPHONE AMP
IC904 5V REG
Q101 L CH BUFFER
Q201 R CH BUFFER
Q104 L CH MUTE
Q204 R CH MUTE
Q829 INVERTER
Q111 L CH MUTE
Q211 R CH MUTE
Q305 POWER ON MUTE
Q108 L CH MUTE
Q208 R CH MUTE
Q307, 308 HP SWITCH
MD POWER BOARD
TO FILTER BOARD CN458
(See Page 66)
TO FILTER BOARD CN456
(See Page 66)
TO FILTER BOARD CN452
(See Page 66)
Q301-303 INVERTER
Q802 INVERTER
Q309, 310 9V SW
AUDIO SWITCH-1 BOARD
Q822, 310 MUTE CONT
IC901 REG.
Q306 5V SW
Q901 9V REG.
[INLET BOARD]
T901 POWER TRANSFORMER
US,Canadian
AEP,UK,G,IT
AC IN
IC801 SYSTEM CONTROL
Q824 INVERTER
AUDIO SWITCH-2 BOARD
Q908, 909 SWITCH
IC902 +5V REG.
IC903 +5V REG.
IC803 4 TO 16 LINE DECODER
[DECODER BOARD]
IC701 4 TO 16 LINE DECODER
Q701-715 D/A CONVERTER
POWER SW BOARD
Q910, 911 7.5V SW
Q906, 907 +B SW
IC805 OPTICAL DIGITAL IN
IC804 OPTICAL DIGITAL OUT
DIGITAL IN BOARD
OPTICAL DIGITAL
Q801, 826 FREQUENCY SHIFT SW
IC802 RESET SWITCH
Q805-812 D/A CONVERTER
Q818-820 D/A CONVERTER
Q904, 905 DC/DC CONVERTER
Q803, 804 SWITCH
IC806 SWITCH
[MAIN BOARD]
A TO CONTROL BOARD CN1 (See Page 55)
B TO CONTROL BOARD CN501 (See Page 55)
C TO CONTROL BOARD CN502 (See Page 56)
G TO FILTER BOARD CN454 (See Page 66)

Note:

- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ⊡ : fusible resistor.
- ▭ : Panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▬ : B+ Line
- ▭ : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10Ω). Voltage variations may be noted due to normal production tolerances.
  no mark : FM
- Signal path.
  ⊳ : PB (ANALOG OUT) ⊳› : PB (DIGITAL OUT)
  ▨ : REC (ANALOG IN) ▨› : REC (DIGITAL IN)
  ⇨ : FM
- G : German model
- IT : Italian model

Note:

- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ☐ : Panel designation.
- ▬ : B+ Line
- ☐ : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10Ω). Voltage variations may be noted due to normal production tolerances.
  no mark : FM
- Signal path.
  ⇨ : FM
- G : German model
- IT : Italian model

4-6. SCHEMATIC DIAGRAMS

- **MAIN SECTION 2 (CONTROL, CONTROL UNIT, RELAY, RADIO, ANTENNA TERMINAL and LOOP ANTENNA board)**
- **See page 92, 93 for IC Block Diagrams.**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
A B C D E F G H I J K
【RADIO BOARD】
IC3 FM FRONT END
IC1 FM IF, DET, MPX AM RF, MIX, OSC, IF
IC2 PLL
TELESCOPIC ANTENNA
ANT1
ANT2
Q1 AMP
Q4, 7 SWITCH
Q5 LPF
Q6 SWITCH
Q8 LPF
Q11, 13 COM 5V SW
Q16, 17 FM ±B SW
Q18, 19 B MUTE SW
Q21, 22 MUTE SW
SPEAKER FRAME
【ANTENNA TERMINAL BOARD】
【LOOP ANTENNA BOARD】
A TO MAIN BOARD CN803 (See Page 51)
【CONTROL BOARD】
Q502 COM 5V SWITCH
Q501 OSC
Q503 SWITCH
Q581, 582 LED DRIVE
EL LUMINOUS ELEMENT
IC351 AMP TONE CONTROL
IC501 REMOTE CONTROL SENSOR
POWER
FUNCTION
CLOCK
TIMER
SLEEP
STANDBY
RADIO BAND
PRESET+
PRESET-
TUNING TIME SET
MODE
DATE
EDIT
SEARCH+
SEARCH-
DISC NAME
TRACK NAME
OPERATION
STANDBY
REC
RESET
INPUT SELECT ANALOG DIGITAL
BASS
TREBLE
PHONES
LIQUID CRYSTAL DISPLAY
【RELAY BOARD】
REPEAT/ENT/MEN
0/SPACE
【CONTROL UNIT BOARD】
B TO MAIN BOARD CN802 (See Page 51)
C TO MAIN BOARD CN801 (See Page 51)

4-7. PRINTED WIRING BOARDS

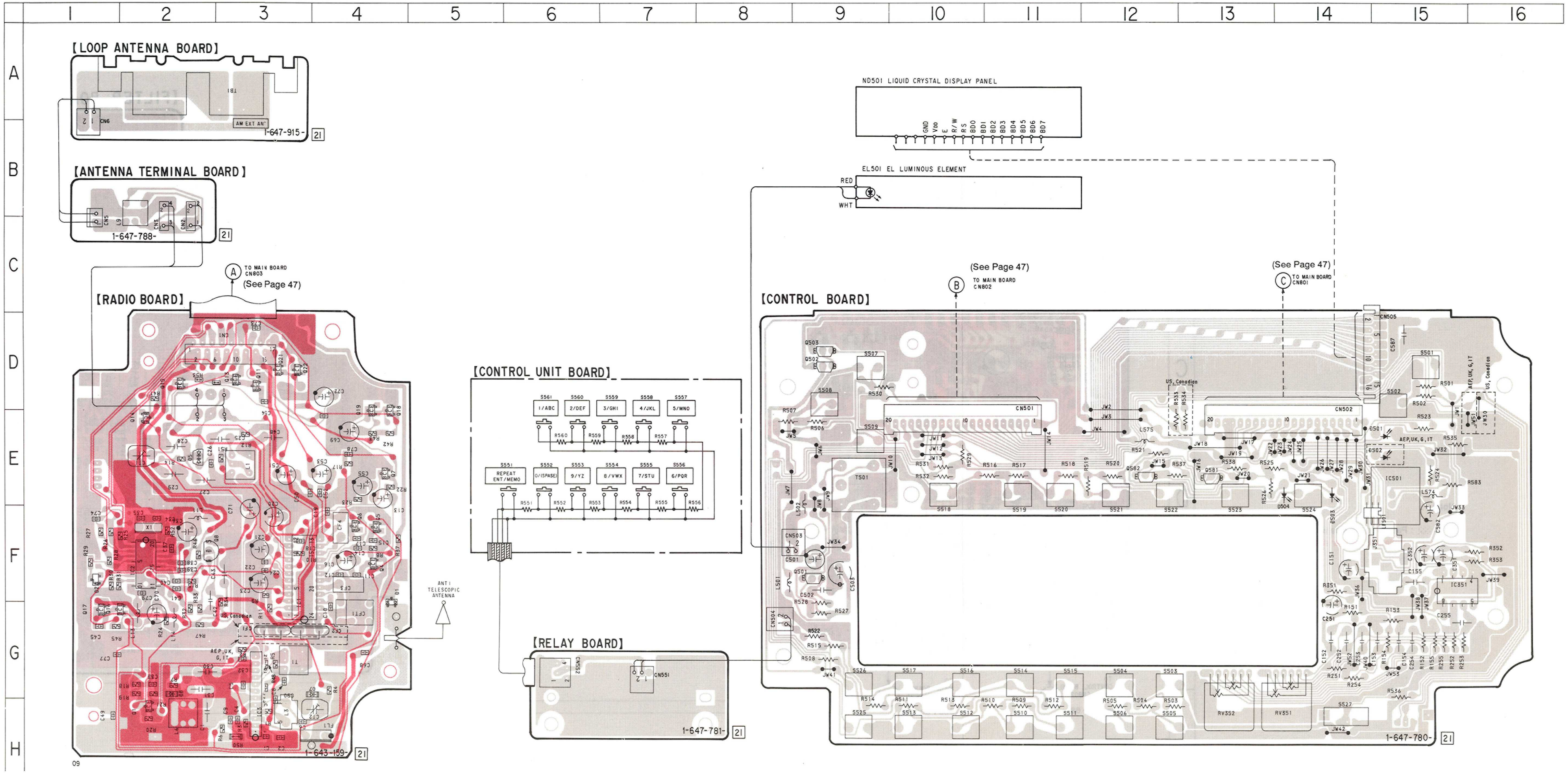
- **MAIN SECTION 2 (CONTROL, CONTROL UNIT, RELAY, RADIO, ANTENNA TERMINAL and LOOP ANTENNA board)**
- **See page 37 for Circuit Boards Location and see page 91 for Semiconductor Lead Layouts.**

- **Semiconductor Location**

Ref. No.	Location
D1	G-4
D2	F-1
D5	E-2
D7	H-4
D8	H-2
D501	E-14
D502	E-14
D503	E-14
D504	E-13
IC1	F-4
IC2	F-2
IC3	H-3
IC351	F-15
IC501	E-15
Q1	H-2
Q4	F-4
Q5	F-4
Q6	F-4
Q7	E-4
Q8	F-3
Q11	D-3
Q13	D-3
Q14	E-2
Q15	D-2
Q16	G-1
Q17	G-1
Q18	E-4
Q19	E-4
Q21	D-3
Q22	D-3
Q501	F-9
Q502	D-9
Q503	D-9
Q581	E-13
Q582	E-12

Note:

- ░ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.
- G : German model
- IT : Italian model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13
14
15
16
A
B
C
D
E
F
G
H
[LOOP ANTENNA BOARD]
CN6
AM EXT ANT
1-647-915-
21
[ANTENNA TERMINAL BOARD]
CN5
CN3
CN2
1-647-788-
21
A
TO MAIN BOARD CN803
(See Page 47)
[RADIO BOARD]
ANT1 TELESCOPIC ANTENNA
AEP,UK, G,IT
US, Canadian
1-643-159-
21
09
[CONTROL UNIT BOARD]
S561 1/ABC
S560 2/DEF
S559 3/GHI
S558 4/JKL
S557 5/MNO
S551 REPEAT ENT/MEMO
S552 0/(SPACE)
S553 9/YZ
S554 8/VWX
S555 7/STU
S556 6/PQR
[RELAY BOARD]
CN552
CN551
1-647-781-
21
ND501 LIQUID CRYSTAL DISPLAY PANEL
GND
VDD
E
R/W
RS
BD0
BD1
BD2
BD3
BD4
BD5
BD6
BD7
EL501 EL LUMINOUS ELEMENT
RED
WHT
(See Page 47)
B
TO MAIN BOARD CN802
(See Page 47)
C
TO MAIN BOARD CN801
[CONTROL BOARD]
CN501
CN502
CN503
CN504
CN505
IC501
IC351
RV352
RV351
US, Canadian
AEP,UK, G,IT
1-647-780-
21

4-8. PRINTED WIRING BOARDS

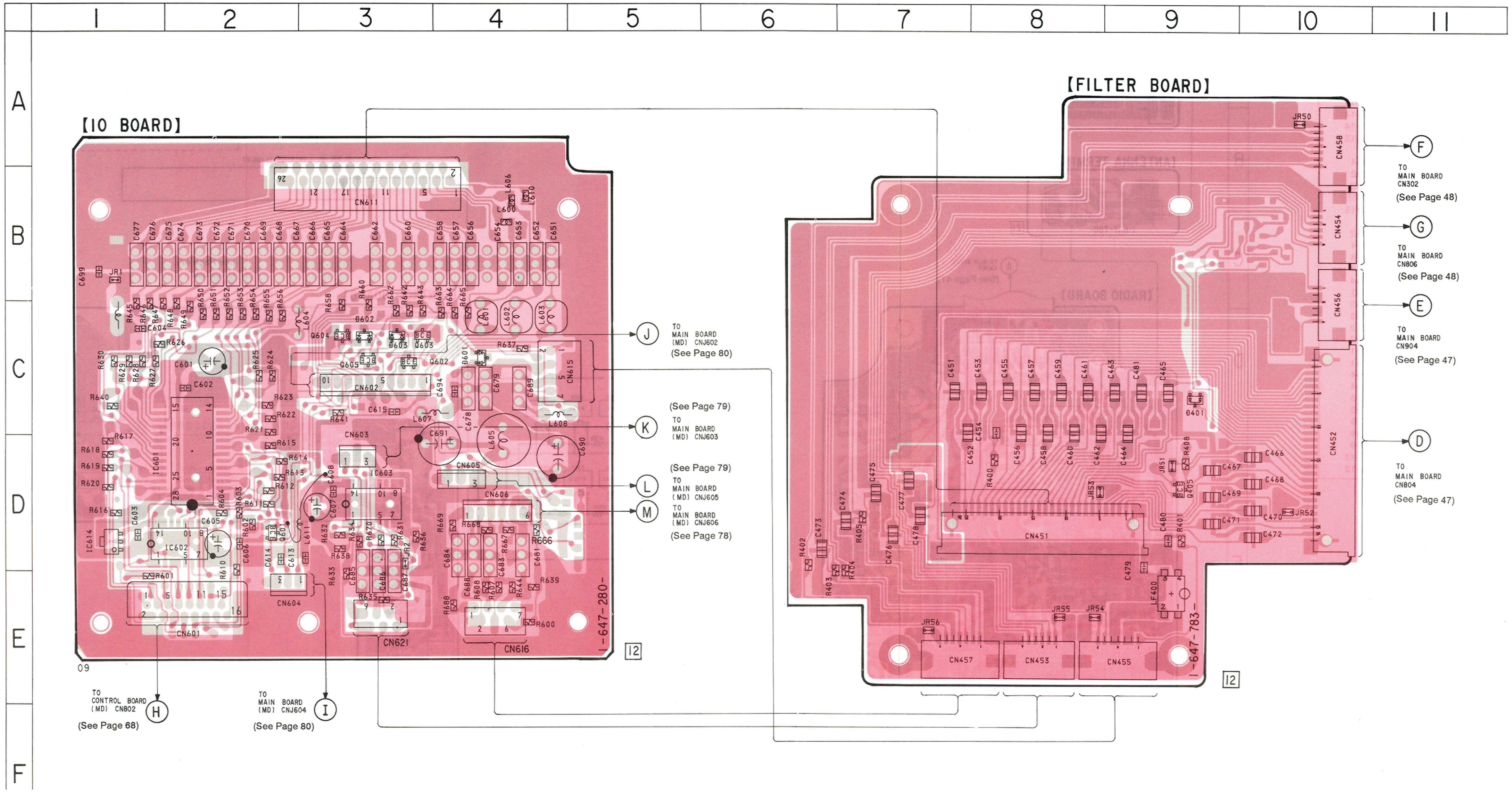
- MAIN SECTION 3 (IO, FILTER board)
- See page 37 for Circuit Boards Location and see page 91 for Semiconductor Lead Layouts.

- Semiconductor Location

Ref. No.	Location
D401	C-9
D601	C-4
D602	C-3
D603	C-3
IC601	D-2
IC602	D-2
IC603	D-3
IC614	D-1
Q405	D-9
Q601	D-2
Q602	C-3
Q603	C-3
Q604	C-3
Q605	C-3

Note:

- ░ : Pattern on the side which is seen.
- ░ : Pattern of the rear side.


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
【IO BOARD】
【FILTER BOARD】
CN611
CN602
CN603
CN605
CN606
CN601
CN604
CN621
CN616
CN615
IC601
IC602
IC603
IC614
CN451
CN452
CN454
CN456
CN458
CN453
CN455
CN457
1-647-280-
1-647-783-
12
12
09
TO MAIN BOARD (MD) CNJ602 (See Page 80)
J
(See Page 79) TO MAIN BOARD (MD) CNJ603
K
(See Page 79) TO MAIN BOARD (MD) CNJ605
L
TO MAIN BOARD (MD) CNJ606 (See Page 78)
M
TO CONTROL BOARD (MD) CN802 (See Page 68)
H
TO MAIN BOARD (MD) CNJ604 (See Page 80)
I
TO MAIN BOARD CN302 (See Page 48)
F
TO MAIN BOARD CN806 (See Page 48)
G
TO MAIN BOARD CN904 (See Page 47)
E
TO MAIN BOARD CN804 (See Page 47)
D

4-9. SCHEMATIC DIAGRAMS
• MAIN SECTION 3 (IO, FILTER board)

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23
24
25
26
A
B
C
D
E
F
G
H
I
J
【IO BOARD】
【FILTER BOARD】
IC614 4V REG.
Q601 INVERTER
IC601 RAM
IC602 INVERTER
IC603 SWITCH
Q603 INVERTER
Q602 INVERTER
Q604 INVERTER
Q605 INVERTER
Q405 SWITCH
TO CONTROL BOARD (M0) CN802 (See Page 72)
TO MAIN BOARD (M0) CNJ604 (See Page 85)
TO MAIN BOARD (M0) CNJ602 (See Page 90)
TO MAIN BOARD (M0) CNJ603 (See Page 86)
TO MAIN BOARD (M0) CNJ605 (See Page 85)
TO MAIN BOARD (M0) CNJ606 (See Page 86)
TO MAIN BOARD CN804 (See Page 49)
TO MAIN BOARD CN806 (See Page 52)
TO MAIN BOARD CN904 (See Page 49)
TO MAIN BOARD CN302 (See Page 49)
H
I
J
K
L
M
D
G
E
F

Note:

- All capacitors are in µF unless otherwise noted. pF:µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ▬ : B+ Line
- Voltages are taken with a VOM (Input impedance 10Ω). Voltage variations may be noted due to normal production tolerances.
  no mark : FM
- Signal path.
  ▷ : PB (ANALOG OUT) ▷› : PB (DIGITAL OUT)
  ▷ : REC (ANALOG IN) ▷› : REC (DIGITAL IN)

4-10. PRINTED WIRING BOARDS

- **MD SECTION 1 (CONTROL, CLV, POWER (A), POWER (B) and POWER (C) board)**
- **See page 37 for Circuit Boards Location and see page 91 for Semiconductor Lead Layouts.**

- **Semiconductor Location**

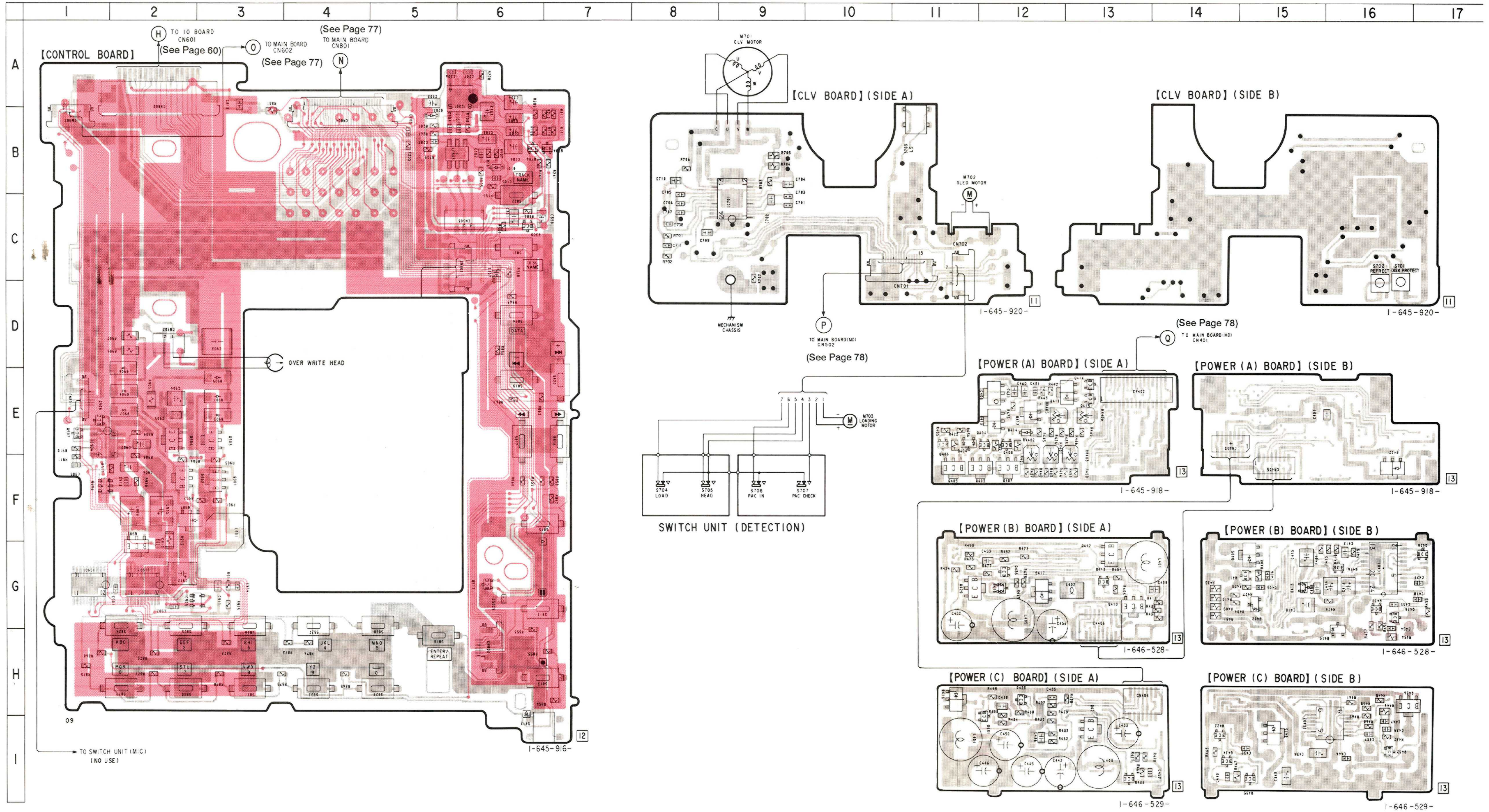
Ref. No.	Location	Ref. No.	Location
D402	G-15	Q406	E-11
D404	E-11	Q407	F-12
D405	G-15	Q408	E-12
D407	F-16	Q410	G-13
D410	G-12	Q411	G-15
D411	E-12	Q412	G-13
D412	E-12	Q413	G-13
D413	E-12	Q414	E-13
D414	E-12	Q415	E-13
D415	I-15	Q416	G-15
D416	H-11	Q420	G-17
D417	G-12	Q421	I-13
D418	G-15	Q422	I-14
D419	G-16	Q423	H-12
D901	E-3	Q426	H-16
D902	E-2	Q428	G-16
D903	E-3	Q429	G-11
D904	E-2	Q430	G-16
D905	E-3	Q431	I-12
D906	D-2	Q432	I-16
D907	F-2	Q433	I-13
		Q434	I-14
IC401	G-16	Q435	I-15
IC402	I-15	Q436	G-12
IC403	E-12	Q512	G-6
IC701	C-9	Q901	F-3
IC901	G-1	Q902	F-2
IC902	G-2	Q903	E-3
IC904	E-1	Q904	E-2
IC905	G-3	Q905	G-2
		Q906	F-1
Q403	F-12	Q907	E-1
Q404	E-12	Q908	E-1
Q405	F-11		

Note:

- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

Caution:

Conductor side: (Side B)	Parts on the Conductor side seen from the are indicated.
Component side: (Side A)	Parts on the Component side seen from the Component side are indicated.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17
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B
C
D
E
F
G
H
I
[CONTROL BOARD]
H TO IO BOARD CN601 (See Page 60)
O TO MAIN BOARD CN602 (See Page 77)
(See Page 77) TO MAIN BOARD CN801 N
OVER WRITE HEAD
TRACK NAME
DISC NAME
DATA
ABC
DEF 2
GHI 3
JKL 4
MNO 5
PQR 6
STU 7
VWX 8
YZ 9
0
ENTER/ REPEAT
09
TO SWITCH UNIT (MIC) (NO USE)
12
1-645-916-
M701 CLV MOTOR
[CLV BOARD] (SIDE A)
M702 SLED MOTOR
CN701
CN702
MECHANISM CHASSIS
P TO MAIN BOARD(MD) CN502 (See Page 78)
11
1-645-920-
[CLV BOARD] (SIDE B)
S702 REFRECT
S701 DISK PROTECT
11
1-645-920-
(See Page 78) Q TO MAIN BOARD(MD) CN401
M703 LOADING MOTOR
S704 LOAD
S705 HEAD
S706 PAC IN
S707 PAC CHECK
SWITCH UNIT (DETECTION)
[POWER (A) BOARD] (SIDE A)
13
1-645-918-
[POWER (A) BOARD] (SIDE B)
13
1-645-918-
[POWER (B) BOARD] (SIDE A)
13
1-646-528-
[POWER (B) BOARD] (SIDE B)
13
1-646-528-
[POWER (C) BOARD] (SIDE A)
13
1-646-529-
[POWER (C) BOARD] (SIDE B)
13
1-646-529-

-11. SCHEMATIC DIAGRAMS

- **MD SECTION 1 (CONTROL, CLV, POWER (A), POWER (B) and POWER (C) board)**
- **See page 94 for IC Block Diagrams.**

Note:

- All capacitors are in µF unless otherwise noted. pF:µµF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- % : indicates tolerance.
- ▬ : B+ Line
- ▭ : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10Ω). Voltage variations may be noted due to normal production tolerances.

  no mark : PB

  ( ) : REC
- Signal path.

  ⊃ : PB (ANALOG OUT) ⊃› : PB (DIGITAL OUT)

  ▨ : REC (ANALOG IN) ▨› : REC (DIGITAL IN)

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31
A
B
C
D
E
F
G
H
I
J
K
L
TO MAIN BOARD
N
(See Page 85)
SWITCH UNIT (MIC)
(NOT USED)
TO KEY BOARD
H
(See Page 63)
SWITCH UNIT
(DETECTION)
IC701
MOTOR DRIVE
W
V
U
COM
M701
CLV MOTOR
TO MAIN BOARD
P
(See Page 85)
[CLV BOARD]
IC904
REC AMP POWER
IC901
DRIVER
IC902
DRIVER
IC905
INVERTER
Q901
REC DRIVE
Q902
REC DRIVE
Q903
REC DRIVE
Q904
REC DRIVE
Q905
REC AMP POWER
Q907
REC AMP POWER
Q908
REC AMP POWER
TO MAIN BOARD
O
(See Page 86)
OVER LIGHT HEAD
[CONTROL BOARD (MD)]
M902
SLED MOTOR
MECHANISM CHASSIS
[POWER (C) BOARD]
IC402
SWITCHING REG. CONTROL
Q426, 431, 432
SWITCHING REG.
Q421, 422, 433, 434
SWITCHING REG. CONTROL
Q435
P-CONT SWITCH
Q423
P-CONT SWITCH
TO MAIN BOARD
Q
(See Page 85)
[POWER (B) BOARD]
Q428, 429, 430
SWITCHING REG.
IC401
SWITCHING REG./
CHARGE CONTROL
Q411, 412, 413
SWITCHING REG.
Q420
CHARGE ON SWITCH
Q416
SWITCH
Q410
6V REG.
Q407, 408
SWITCH
Q414
INVERTER
Q415
UPV SWITCH
Q405, 406
NP SWITCH
Q403, 404
AM SWITCH
IC403
4.5V REG
[POWER (A) BOARD]

4-12. PRINTED WIRING BOARDS

- MD SECTION 2 (MAIN, PTOC board)
- See page 37 for Circuit Boards Location and see page 91 for Semiconductor Lead Layouts.

- **Semiconductor Location**

Ref No.	Location	Ref. No.	Location	Ref. No.	Location
D301	A-14	IC315	H-12	Q101	A-3
D304	E-10	IC410	G-12	Q102	B-3
D305	E-9	IC501	B-5	Q103	B-2
D307	C-3	IC502	B-4	Q105	B-2
D310	F-10	IC503	B-11	Q201	A-13
D311	C-2	IC504	B-10	Q202	B-12
D401	H-10	IC505	A-5	Q203	A-2
D406	H-10	IC506	B-11	Q205	A-2
D420	H-11	IC507	C-5	Q301	F-10
D421	H-11	IC508	C-10	Q302	A-12
D422	I-10	IC509	E-10	Q303	C-15
D423	H-10	IC510	E-5	Q304	C-15
D424	G-3	IC511	C-12	Q306	C-3
D502	A-6	IC512	E-10	Q307	F-5
D503	E-4	IC513	D-4	Q309	F-14
D504	D-6	IC514	H-4	Q310	F-13
D505	E-5	IC515	H-3	Q311	E-9
D506	E-5	IC516	B-5	Q312	D-12
D507	H-3	IC517	C-12	Q401	H-11
D508	E-11	IC518	D-5	Q402	I-10
D509	D-11	IC519	D-4	Q409	H-10
D511	D-12	IC520	C-5	Q445	G-12
D512	D-12	IC521	E-12	Q446	G-5
D515	D-11	IC522	B-17	Q447	F-5
D601	D-13	IC601	E-14	Q448	G-5
D602	D-14	IC602	E-2	Q449	F-5
D691	B-17	IC603	H-2	Q450	G-5
D692	B-17	IC604	H-14	Q451	F-5
D693	B-18	IC605	D-2	Q452	G-5
D803	H-11	IC606	E-14	Q501	B-6
D804	D-4	IC607	D-14	Q502	B-6
D806	F-3	IC608	D-14	Q503	C-5
D807	H-4	IC609	G-1	Q506	D-6
D808	H-4	IC610	G-1	Q508	E-5
D809	H-12	IC611	F-14	Q509	D-4
D810	F-4	IC612	G-14	Q510	C-6
D811	F-3	IC613	F-1	Q512	A-12
D812	F-4	IC614	F-14	Q513	E-5
		IC615	G-2	Q514	E-5
IC303	E-6	IC691	B-17	Q516	D-11
IC304	E-9	IC692	B-17	Q518	D-10
IC305	E-9	IC801	E-3	Q519	E-10
IC306	D-9	IC802	E-4	Q520	D-10
IC307	D-7	IC803	G-12	Q801	H-11
IC308	D-9	IC804	H-11	Q802	H-11
IC309	C-13	IC805	H-12	Q803	H-4
IC310	B-3	IC806	H-11	Q804	H-4
IC311	B-14	IC807	H-4	Q805	H-12
IC312	C-14	IC808	F-4	Q806	H-12
IC314	C-2			Q807	D-3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
A B C D E F G H I
【MAIN BOARD】(SIDE A)
【MAIN BOARD】(SIDE B)
【PTOC BOARD】
1-645-915-
1-648-595-
14
12
YEL
VIO
BRN
RED
ORG
BLU
BLK
TO CN503
TO CN501
Mini Disc
OPTICAL PICK-UP
KMS-130B
TO IO BOARD
CN602
(See Page 61)
TO IO BOARD
CN604
(See Page 61)
CNJ604
TO CONTROL BOARD (MD)
CN901
(See Page 68)
TO CONTROL BOARD (MD)
CN804
(See Page 69)
TO POWER (A) BOARD
CN402
(See Page 70)
TO CLV BOARD
CN701
(See Page 69)
CNJ606
TO IO BOARD
CN606
(See Page 61)
J401
(no use)
CNJ603
TO IO BOARD
CN603
(See Page 61)
CNJ605
TO IO BOARD
CN605
(See Page 61)
O
N
Q
P
M
K
L
J
I
WHT
GRN
GLY

Note:

- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

Caution:
Conductor side: Parts on the Conductor side seen from
(Side B) the are indicated.
Component side: Parts on the Component side seen from
(Side A) the Component side are indicated.

4-13. SCHEMATIC DIAGRAM

- MD SECTION 2 (MAIN (1/2) board)
- See page 94 for IC Block Diagrams.

IC603 ATRAC L-CH
IC604 ATRAC R-CH
IC609 ATRAC R-CH
IC610 ATRAC R-CH
IC611 ATRAC R-CH
IC612 ATRAC R-CH
IC613 ATRAC R-CH
IC614 ATRAC R-CH
IC615 ATRAC R-CH
IC606 PIT/GROOVE SW
IC607 DIGITAL IN PLL
IC608 ENCODER PLL
IC601 EFM ENCODE/DECODE
IC602 SHOCK PROOF · MEMORY CONTROLLER
IC605 4M DRAM
IC801 SYSTEM CONTROL
IC802 LOADING MOTOR DRIVE
IC803 VOL DET
IC804 BACK-UP SW
IC805 BACK-UP SW
IC806 WAKE-UP
IC807 REG.
IC808 CHARGE PUMP
IC509 CLV DRIVER
IC510 CHERGE PUMP
IC512 CLV AMP
IC514 VOL DET
IC515 WAVE SHAPER
IC410 REG
Q513 PRE DRIVE
Q516 DRIVER SW
Q518 MUTE SW
Q519 MUTE SW
Q401 VOL DET
Q402 VOL DET
Q452 VOL DET
Q409 VOL DET
Q445 POWER CONTROL
Q446,449 LEVET SHIFT
Q450,446 LEVET SHIFT
Q447,451 LEVET SHIFT
Q801 WAKE-UP
Q802 WAKE-UP
Q805 BACK-UP SW
Q806 BACK-UP SW
Q807 PULL-UP SW
Q803,804 RESET SW
Mini Disc OPTICAL PICK-UP KSM-130B CN501
(See Page 88) TO MAIN BOARD (MD) (2/2) ②
(See Page 90) TO MAIN BOARD (MD) (2/2) ①
TO MAIN BOARD (MD) (2/2) ⑥ (See Page 89)
(See Page 87) TO MAIN BOARD (MD) (2/2) ⑤
(See Page 88) ④ (See Page 90) TO MAIN BOARD (MD) (2/2)
⑦
③ TO MAIN BOARD (MD) (2/2) (See Page 86)
⑧ TO MAIN BOARD (MD) (2/2) (See Page 90)
Ⓟ TO CLV BOARD CN701 (See Page 73)
Ⓠ TO POWER SW BOARD CN402 (See Page 75)
Ⓛ TO I/O BOARD CN605 (See Page 63)
Ⓝ TO CONTROL BOARD (MD) CN804 (See Page 71)
Ⓘ TO I/O BOARD CN604 (See Page 63)
【MAIN BOARD (MD)】(1/2)

Note:

- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- % : indicates tolerance.
- ▬ : B+ Line
- ▭ : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10Ω). Voltage variations may be noted due to normal production tolerances.
  no mark : FM
  ( ) : REC
- Signal path.
  ▷ : PB (ANALOG OUT) ▷› : PB (DIGITAL OUT)
  ▷ : REC (ANALOG IN) ▷› : REC (DIGITAL IN)

Note:
- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- % : indicates tolerance.
- ▬ : B+ Line
- ▭ : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10Ω). Voltage variations may be noted due to normal production tolerances.
  no mark : PB
  ( ) : REC
- Signal path.
  ⊳ : PB (ANALOG OUT) ⊳› : PB (DIGITAL OUT)
  ⊳ : REC (ANALOG IN) ⊳› : REC (DIGITAL IN)

4-14. SCHEMATIC DIAGRAMS

- MD SECTION 2 (MAIN (2/2), PTOC board)
- See page 94 for IC Block Diagrams.

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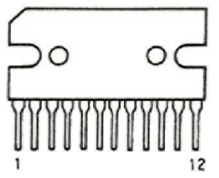
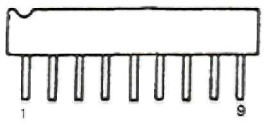
35
A
B
C
D
E
F
G
H
I
J
K
(See Page 83)
(See Page 83)
(See Page 82)
(See Page 83)
(See Page 81)
(See Page 71)
(See Page 63)
(See Page 63)
(See Page 84)
(See Page 83)
(See Page 63)
IC311
HP AMP
IC314
L LINE AMP
IC314
R LINE AMP
IC310
L LPF
IC310
R LPF
IC309
A/D D/A CONVERTER
IC312
BBB LEVEL SW
IC315
REG.
IC305
ADC AMP
IC304
ADC SW
IC306
ADC AMP
IC303
REC VOL CONTROL
IC307
DIFFERENTIAL AMP
IC308
DIFFERENTIAL AMP
IC503
P/T/GROOVE SWITCH
IC502
ADIP DECODE
IC518
FOCUS DRIVE AMP
IC508
P/T/GROOVE SWITCH
IC522
P/T GROOVE SW
IC520
CLV LPF
IC516
AST SW
IC517
AST SW
IC511
CLV LPF
IC506
DEFECT INHIBIT SW
IC501
RF AMP
IC507
SERVO
IC513
LOCK SW
IC505
TEMP AMP APC LPF
IC504
P/T/GROOVE SWITCH
IC521
REC ANTI SHOCK
IC519
LOW BOOST SWITCH
Mini Disc
[PTOC BOARD]
[MAIN BOARD (MD)] (2/2)

4-15. SEMICONDUCTOR LEAD LAYOUTS

BA3924-V3

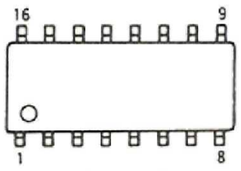


BA6208



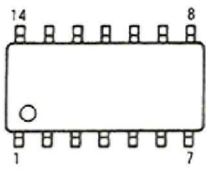
(Marking side view)

CD4052BCM



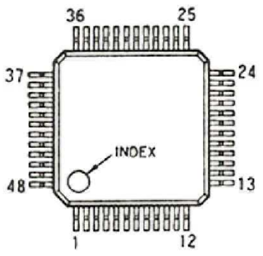
(TOP VIEW)

CD4066BCM
TC74HC03AF-TP1



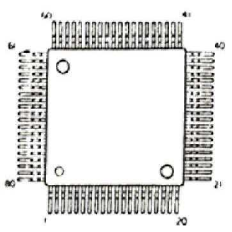
(TOP VIEW)

CXA1381R

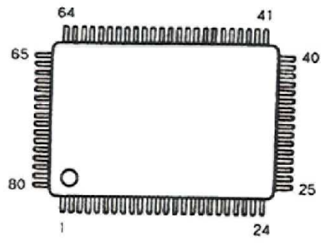

36
25
37
24
INDEX
48
13
1
12

(TOP VIEW)

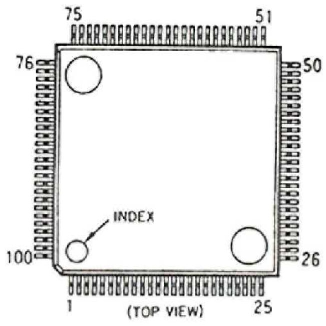
CXD2525R


60
41
61
40
80
21
1
20

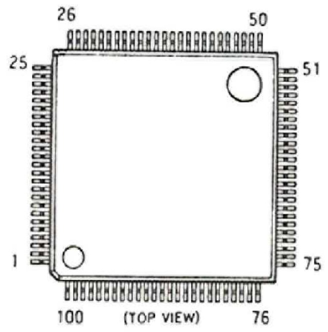
CXD2526Q
CX84120-CFDX100
CXP84120-010Q


64
41
65
40
80
25
1
24

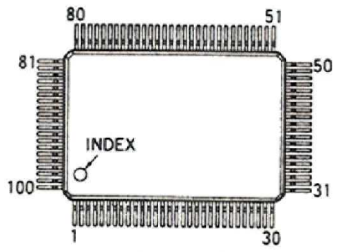
CXD2527R


75
51
76
50
INDEX
100
26
1
(TOP VIEW)
25

CXD2527R-1

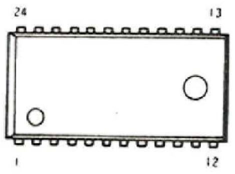

26
50
25
51
1
75
100
(TOP VIEW)
76

CXP81740-603Q

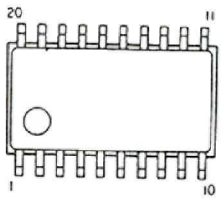

80
51
81
50
INDEX
100
31
1
30

(TOP VIEW)

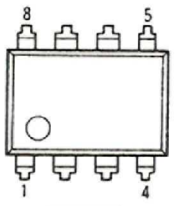
LA1831



LC7216M
MC13020-MR

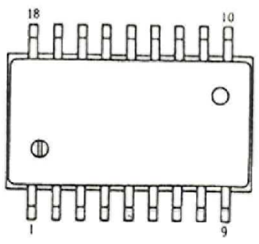


M5216FP
M5218AFP
NJM2100D
NJM2100M



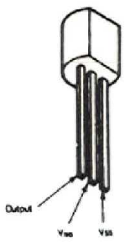
(TOP VIEW)

RF5C62

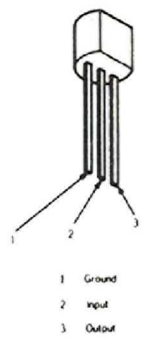


MARKING SIDE VIEW

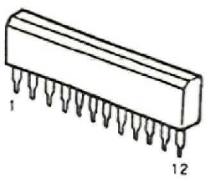
S-80730AN


Output
V_{DD}
V_{SS}

S-81250HG

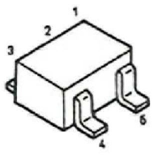

1
2
3
1 Ground
2 Input
3 Output

TA8176SN

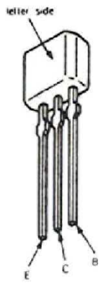


(Marking side view)

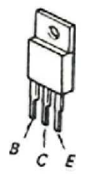
TC7WU04F



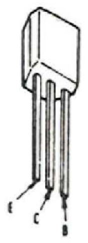
2SA1175
2SC2785
DTA114YS


letter side
E
C
B

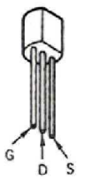
2SB1370



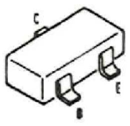
2SC4048



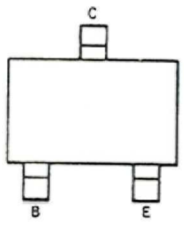
2SK679A



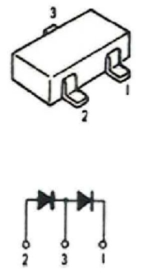
DTA114YK
DTC114YK
DTC114YU
DTC343TK



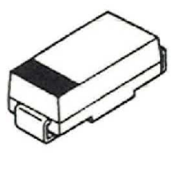
UN2216
UN221E



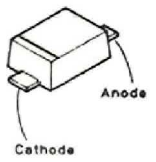
1SS226



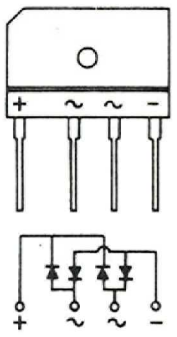
EC10QS-10



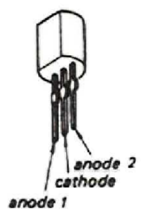
MA8068


Anode
Cathode

RBV-602-01



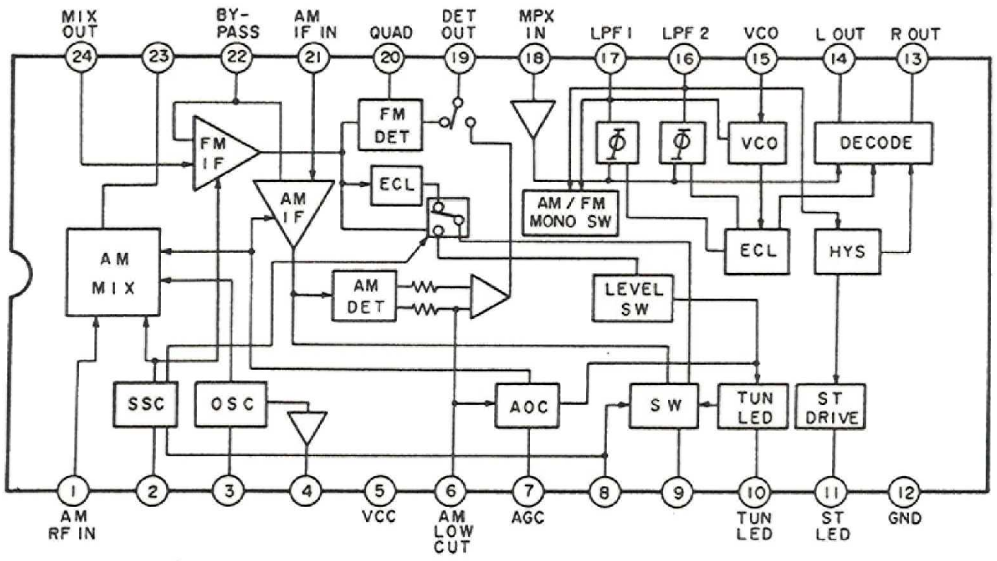
SVC342L-V


anode 2
cathode
anode 1

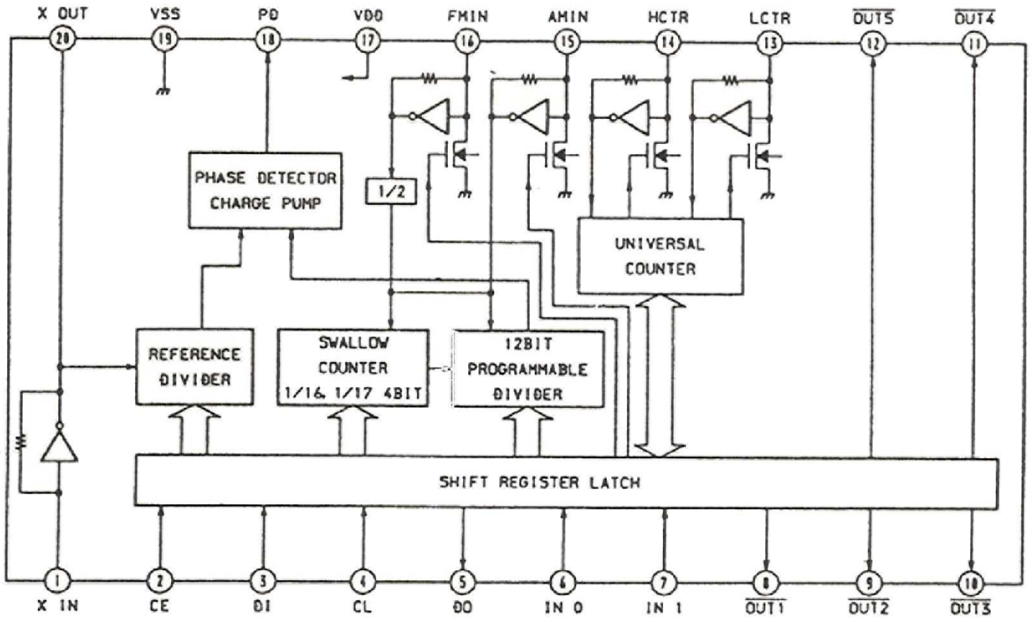
4-16. IC BLOCK DIAGRAMS

—MAIN SECTION—

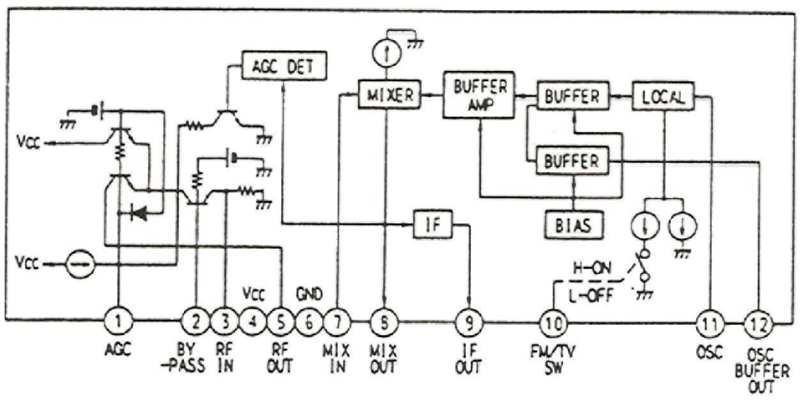
• RADIO BOARD IC1 TA2012N


MIX OUT
BY-PASS
AM IF IN
QUAD
DET OUT
MPX IN
LPF 1
LPF 2
VCO
L OUT
R OUT
FM IF
AM IF
FM DET
ECL
AM / FM MONO SW
VCO
DECODE
ECL
HYS
AM MIX
AM DET
LEVEL SW
SSC
OSC
AOC
SW
TUN LED
ST DRIVE
AM RF IN
VCC
AM LOW CUT
AGC
TUN LED
ST LED
GND

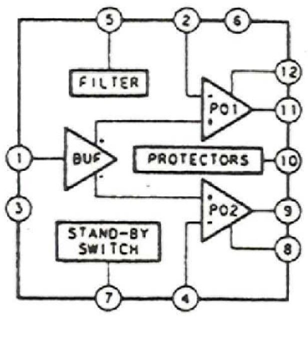
• RADIO BOARD IC2 LC7216M-TP-T1


X OUT
VSS
PD
VDD
FMIN
AMIN
HCTR
LCTR
OUT5
OUT4
PHASE DETECTOR CHARGE PUMP
1/2
UNIVERSAL COUNTER
REFERENCE DIVIDER
SWALLOW COUNTER 1/16, 1/17 4BIT
12BIT PROGRAMMABLE DIVIDER
SHIFT REGISTER LATCH
X IN
CE
DI
CL
DO
IN 0
IN 1
OUT1
OUT2
OUT3

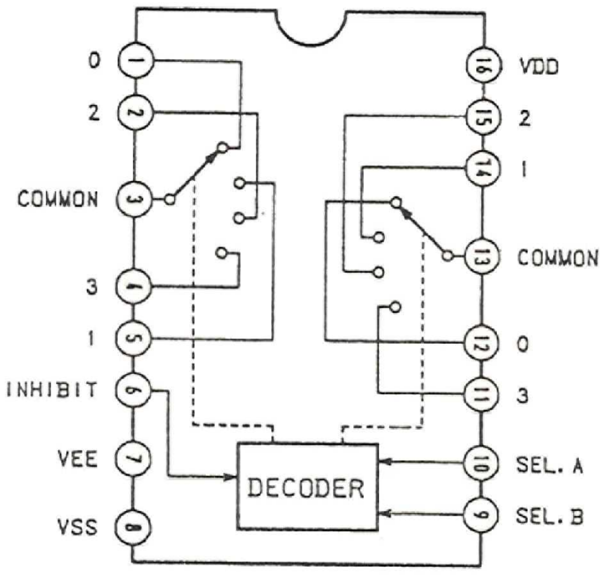
• RADIO BOARD IC3 TA8176SN


AGC DET
MIXER
BUFFER AMP
BUFFER
LOCAL
BUFFER
IF
BIAS
H-ON
L-OFF
Vcc
Vcc
Vcc
GND
AGC
BY-PASS
RF IN
RF OUT
MIX IN
MIX OUT
IF OUT
FM/TV SW
OSC
OSC BUFFER OUT

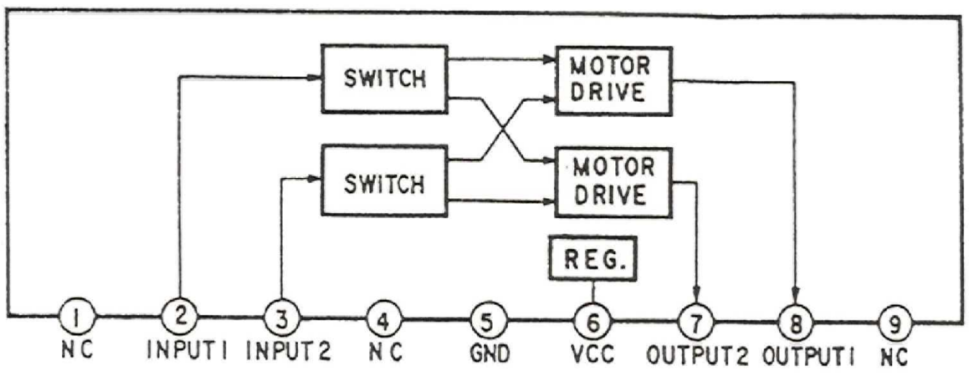
• MAIN BOARD IC101, 201 uPC2501H-1


FILTER
PO1
BUF
PROTECTORS
PO2
STAND-BY SWITCH

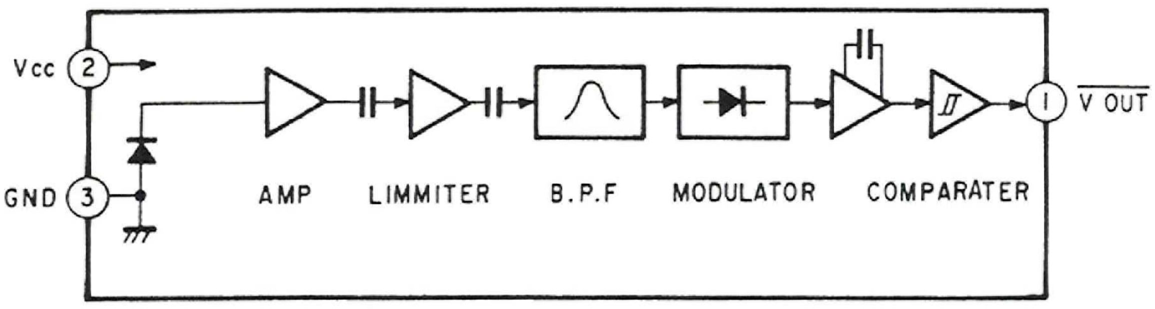
• MAIN BOARD IC301 CD4052BCM


0
2
COMMON
3
1
INHIBIT
VEE
VSS
VDD
2
1
COMMON
0
3
SEL. A
SEL. B
DECODER

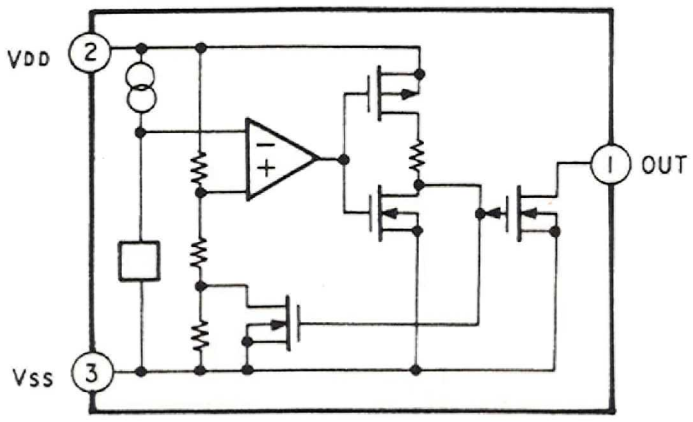
• VOL BOARD IC401 BA6208


SWITCH
SWITCH
MOTOR DRIVE
MOTOR DRIVE
REG.
NC
INPUT1
INPUT2
NC
GND
VCC
OUTPUT2
OUTPUT1
NC

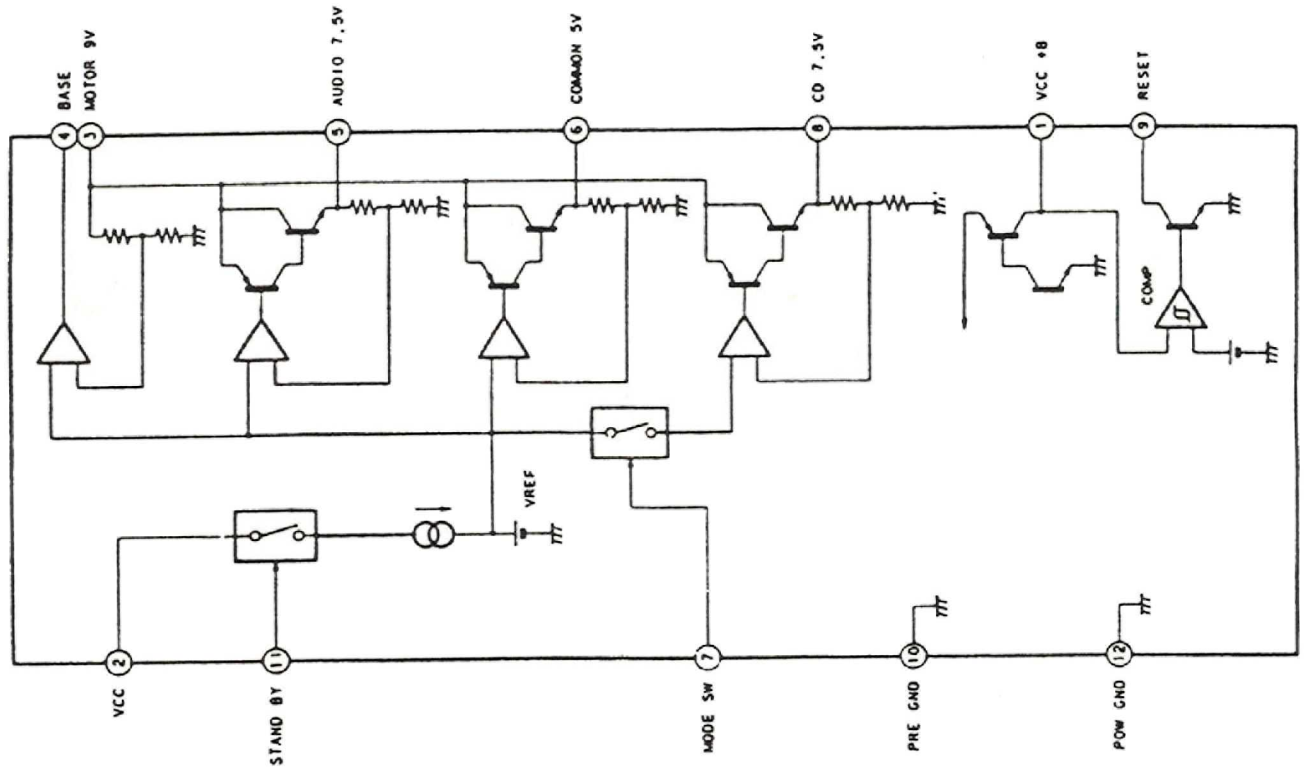
• CONTROL BOARD IC501 GP1U58XB


Vcc
2
GND
3
AMP
LIMMITER
B.P.F
MODULATOR
COMPARATER
1
V OUT

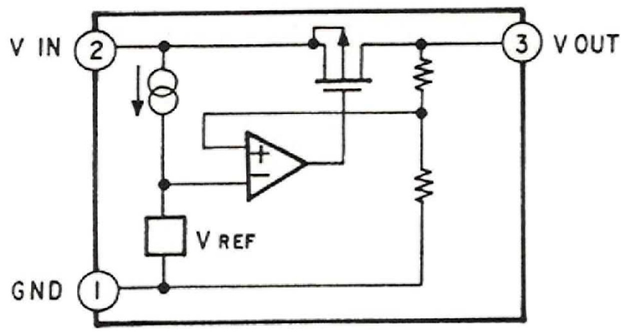
• MAIN BOARD IC802 S-80730AL-Z


VDD
2
Vss
3
1
OUT

• MAIN BOARD IC901 BA3924-V3

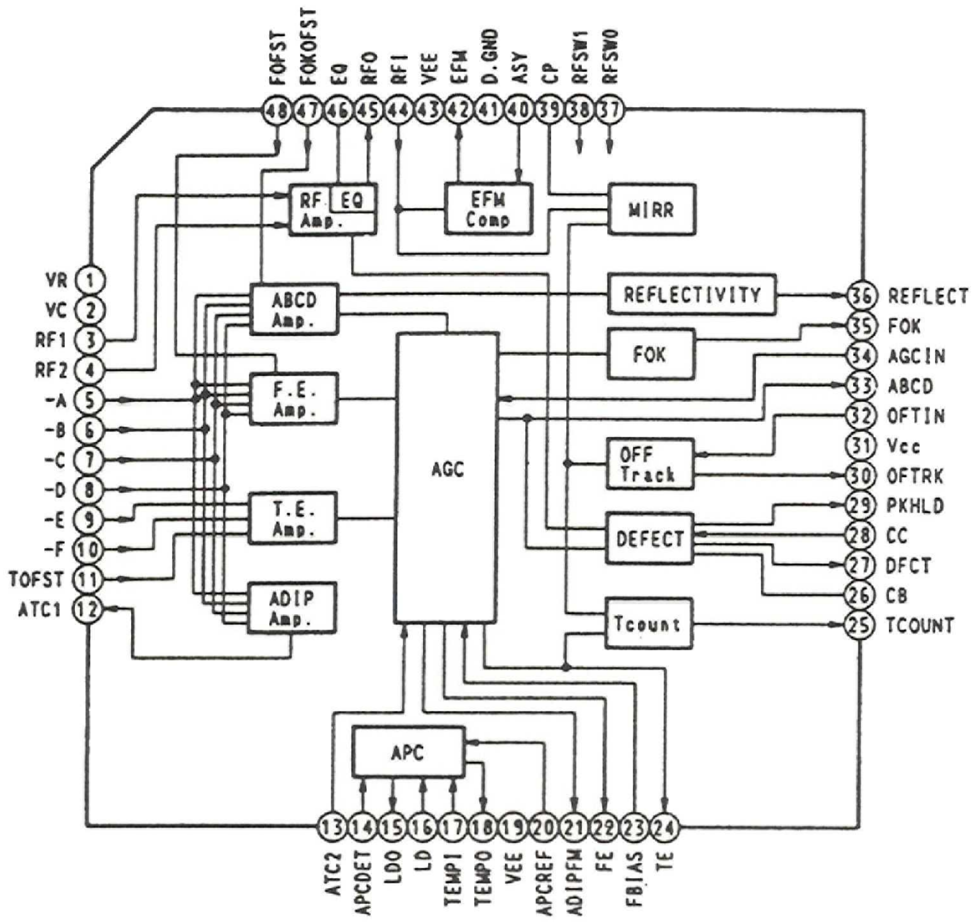

BASE
MOTOR 9V
AUDIO 7.5V
COMMON 5V
CD 7.5V
VCC +8
RESET
4
3
5
6
8
1
9
COMP
VREF
VCC
2
STAND BY
11
MODE SW
7
PRE GND
10
POW GND
12

• MAIN BOARD IC902, 903 S-81250HG


V IN
2
V REF
GND
1
3
V OUT

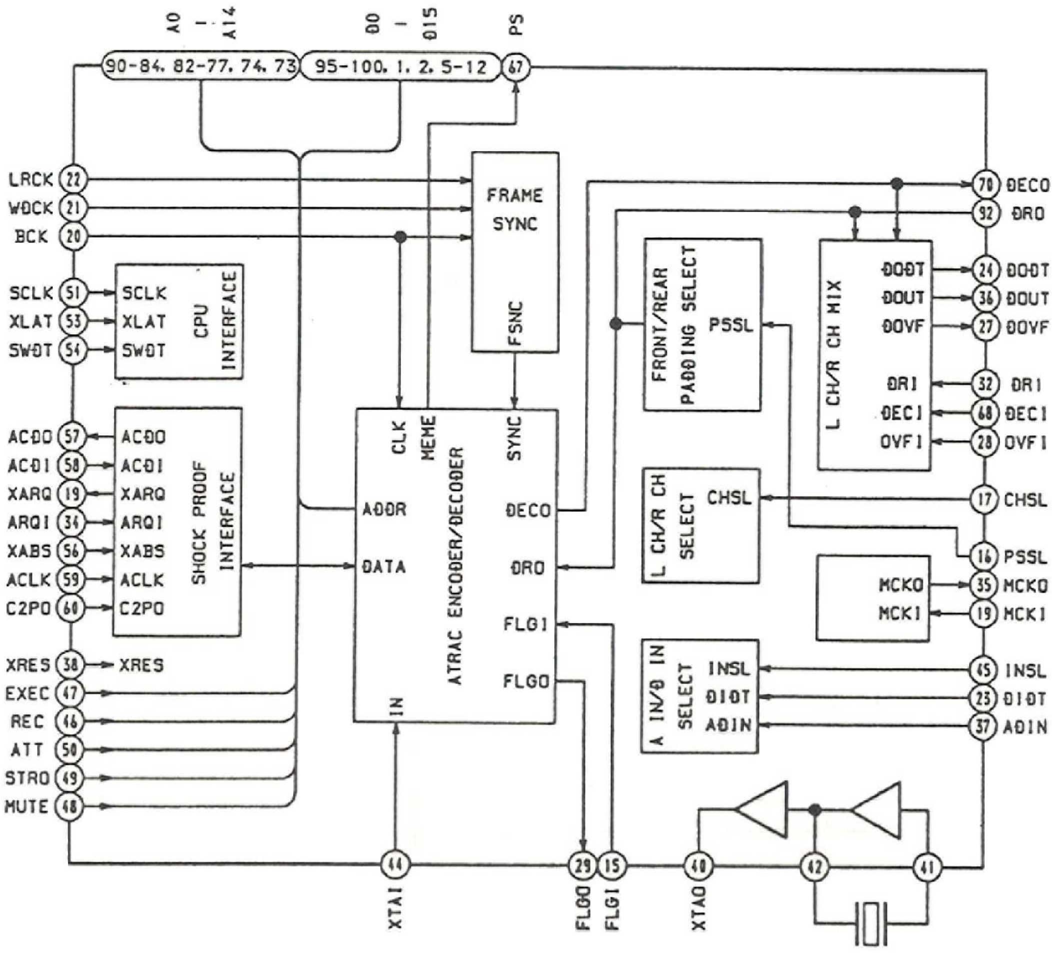
— MD BLOCK —

• MAIN BOARD IC501 CXA1381R



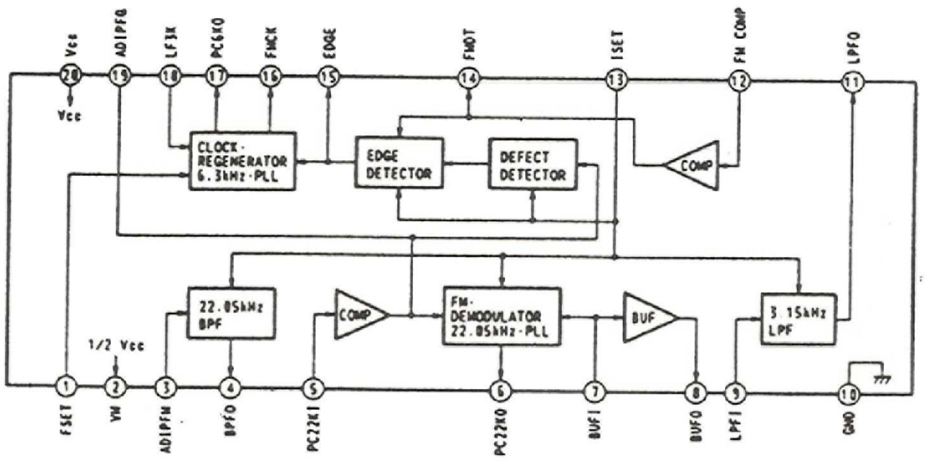
FOFST 48
FOKOFST 47
EQ 46
RFO 45
RFI 44
VEE 43
EFM 42
D.GND 41
ASY 40
CP 39
RFSW1 38
RFSW0 37
VR 1
VC 2
RF1 3
RF2 4
-A 5
-B 6
-C 7
-D 8
-E 9
-F 10
TOFST 11
ATC1 12
RF Amp.
EQ
EFM Comp
MIRR
ABCD Amp.
F.E. Amp.
T.E. Amp.
ADIP Amp.
AGC
REFLECTIVITY
FOK
OFF Track
DEFECT
Tcount
APC
36 REFLECT
35 FOK
34 AGCIN
33 ABCD
32 OFTIN
31 Vcc
30 OFTRK
29 PKHLD
28 CC
27 DFCT
26 CB
25 TCOUNT
13 ATC2
14 APCDET
15 LDO
16 LD
17 TEMPI
18 TEMPO
19 VEE
20 APCREF
21 ADIPFM
22 FE
23 FBIAS
24 TE

• MAIN BOARD IC603 CXD2527R-1



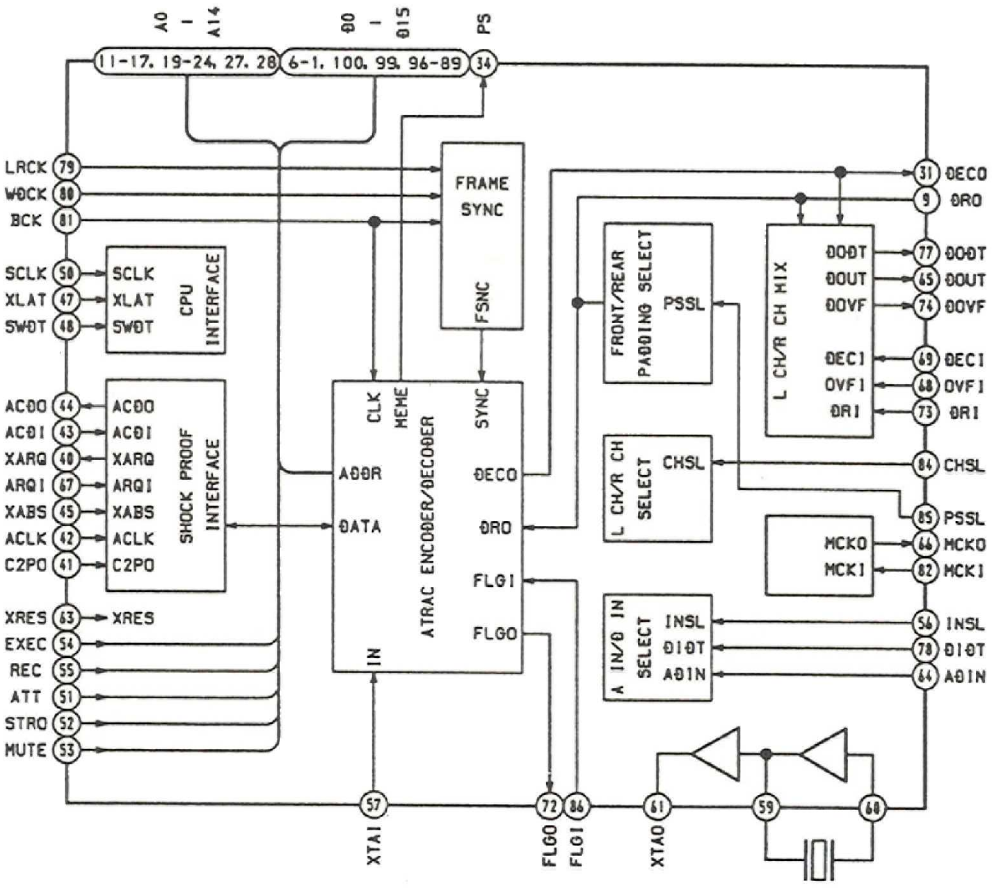
A0 – A14
D0 – D15
PS
90-84, 82-77, 74, 73
95-100, 1, 2, 5-12
67
LRCK 22
WDCK 21
BCK 20
SCLK 51
XLAT 53
SWDT 54
CPU INTERFACE
AC0O 57
AC0I 58
XARQ 19
ARQI 34
XABS 56
ACLK 59
C2PO 60
SHOCK PROOF INTERFACE
XRES 38
EXEC 47
REC 46
ATT 50
STRO 49
MUTE 48
FRAME SYNC
FSNC
CLK
MEME
SYNC
ADDR
DATA
IN
ATRAC ENCODER/DECODER
DECO
DRO
FLG1
FLG0
FRONT/REAR PADDING SELECT
PSSL
L CH/R CH SELECT
CHSL
A IN/D IN SELECT
INSL
DIOT
ADIN
L CH/R CH MIX
DODT
DOUT
DOVF
DRI
DECI
OVFI
MCKO
MCKI
70 DECO
92 DRO
24 DODT
36 DOUT
27 DOVF
32 DRI
68 DECI
28 OVFI
17 CHSL
16 PSSL
35 MCKO
19 MCKI
45 INSL
23 DIOT
37 ADIN
44 XTAI
29 FLG0
15 FLG1
40 XTAO
42
41

• MAIN BOARD IC502 CXA1380M



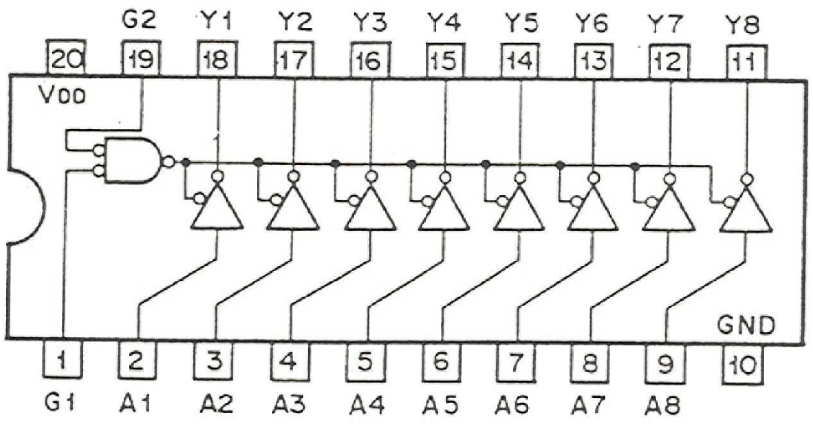
Vcc 20
ADIPFO 19
LF3K 18
PCGKO 17
FMCK 16
EDGE 15
FMDT 14
ISET 13
FM COMP 12
LPFO 11
Vcc
CLOCK-REGENERATOR 6.3kHz-PLL
EDGE DETECTOR
DEFECT DETECTOR
COMP
22.05kHz BPF
COMP
FM-DEMODULATOR 22.05kHz-PLL
BUF
3.15kHz LPF
1/2 Vcc
FSET 1
VH 2
ADIPFM 3
BPFO 4
PC22KI 5
PC22KO 6
BUFI 7
BUFO 8
LPFI 9
GND 10

• MAIN BOARD IC604 CXD2527R



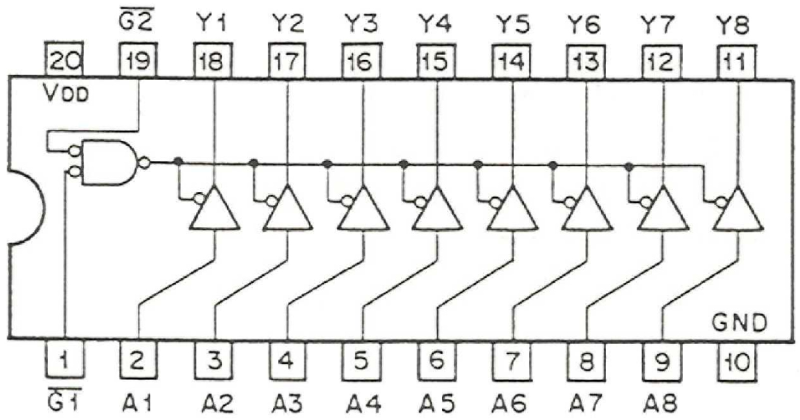
A0 – A14
D0 – D15
PS
11-17, 19-24, 27, 28
6-1, 100, 99, 96-89
34
LRCK 79
WDCK 80
BCK 81
SCLK 50
XLAT 47
SWDT 48
CPU INTERFACE
AC0O 44
AC0I 43
XARQ 40
ARQI 67
XABS 45
ACLK 42
C2PO 41
SHOCK PROOF INTERFACE
XRES 63
EXEC 54
REC 55
ATT 51
STRO 52
MUTE 53
FRAME SYNC
FSNC
CLK
MEME
SYNC
ADDR
DATA
IN
ATRAC ENCODER/DECODER
DECO
DRO
FLG1
FLG0
FRONT/REAR PADDING SELECT
PSSL
L CH/R CH SELECT
CHSL
A IN/D IN SELECT
INSL
DIOT
ADIN
L CH/R CH MIX
DODT
DOUT
DOVF
DECI
OVFI
DRI
MCKO
MCKI
31 DECO
9 DRO
77 DODT
65 DOUT
74 DOVF
69 DECI
68 OVFI
73 DRI
84 CHSL
85 PSSL
66 MCKO
82 MCKI
56 INSL
78 DIOT
64 ADIN
57 XTAI
72 FLG0
86 FLG1
61 XTAO
59
60

• CONTROL BOARD IC901 74ACT540



G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
20
19
18
17
16
15
14
13
12
11
VDD
GND
1
2
3
4
5
6
7
8
9
10
G1
A1
A2
A3
A4
A5
A6
A7
A8

• CONTROL BOARD IC902 74ACT541



G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
20
19
18
17
16
15
14
13
12
11
VDD
GND
1
2
3
4
5
6
7
8
9
10
G1
A1
A2
A3
A4
A5
A6
A7
A8

SECTION 5
EXPLODED VIEWS

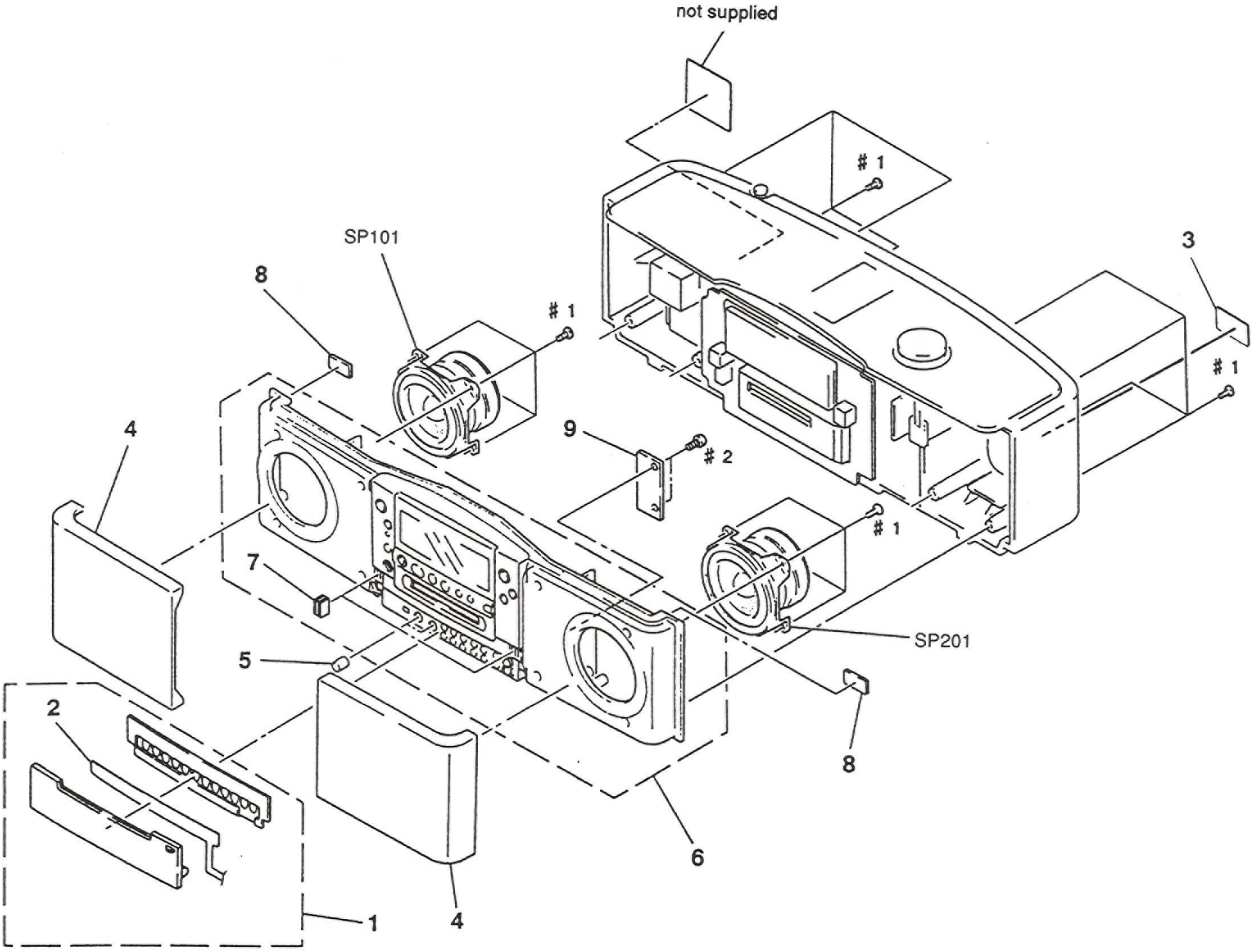
NOTE:
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts color ↑ Cabinet's color
- G: German model
- IT: Italian model

- Items marked " ∗ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

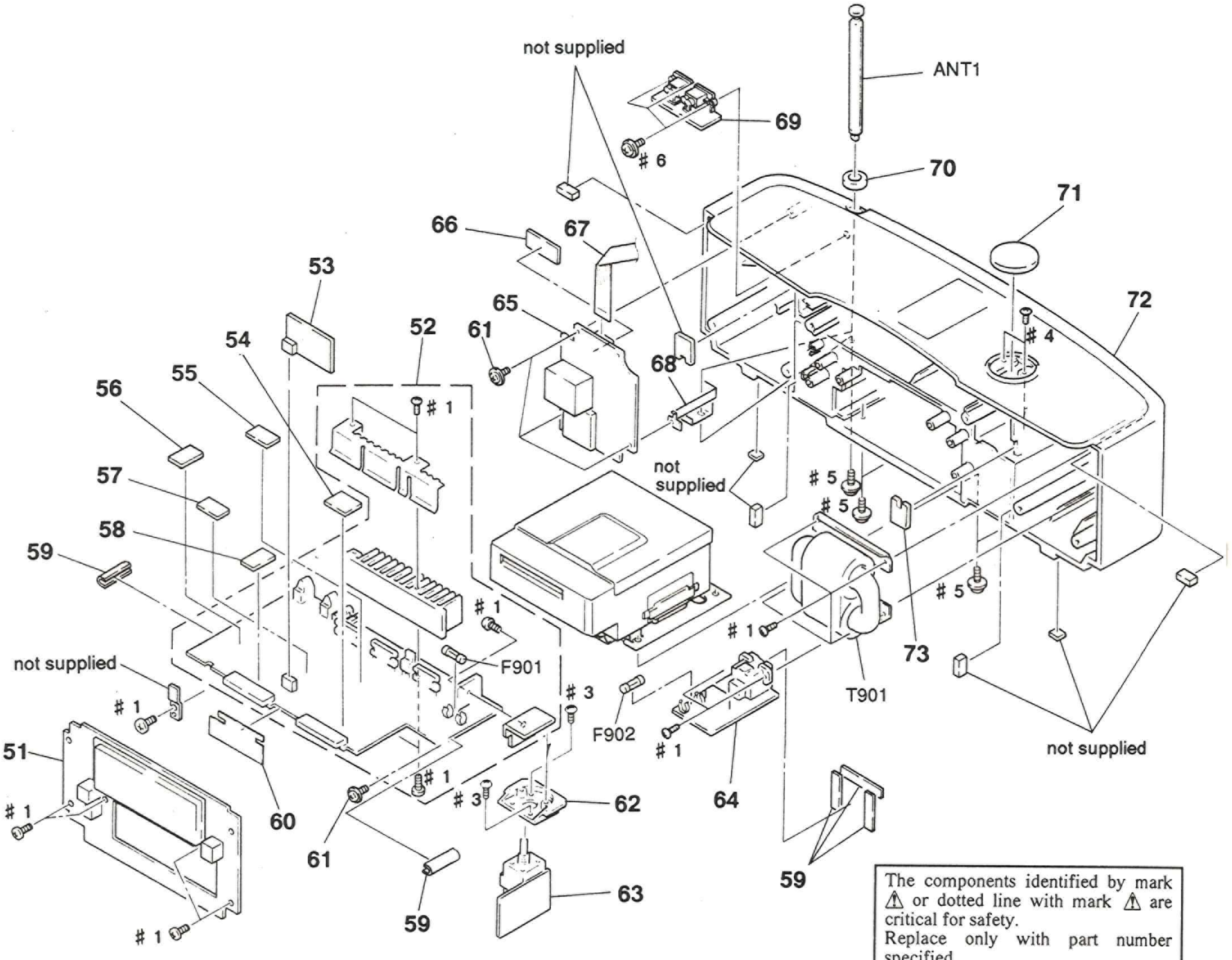
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

5-1. FRONT CABINET ASSEMBLY



Ref. No.	Part No.	Description	Remark
1	A-3263-773-A	LID ASSY, CONTROL	
2	1-466-988-11	SWITCH UNIT	
* 3	3-383-181-01	LABEL (POWER)	
4	X-3366-289-1	FRAME ASSY, SPEAKER	
5	3-385-984-01	KNOB (BASS TREBLE)	
6	X-3366-907-1	CABINET ASSY, FRONT (AEP, UK, G, IT)	
6	X-3367-192-1	CABINET ASSY, FRONT (US, Canadian)	
7	1-452-419-21	MAGNET	
8	3-831-441-XX	CUSHION, SPEAKER	
* 9	1-647-781-21	RELAY BOARD	
SP101	1-504-415-11	SPEAKER (L-CH) (AEP, UK, G, IT)	
SP101	1-544-653-11	SPEAKER (8CM) (L-CH) (US, Canadian)	
SP201	1-504-415-11	SPEAKER (R-CH) (AEP, UK, G, IT)	
SP201	1-544-653-11	SPEAKER (8CM) (R-CH) (US, Canadian)	

5-2. REAR CABINET ASSEMBLY

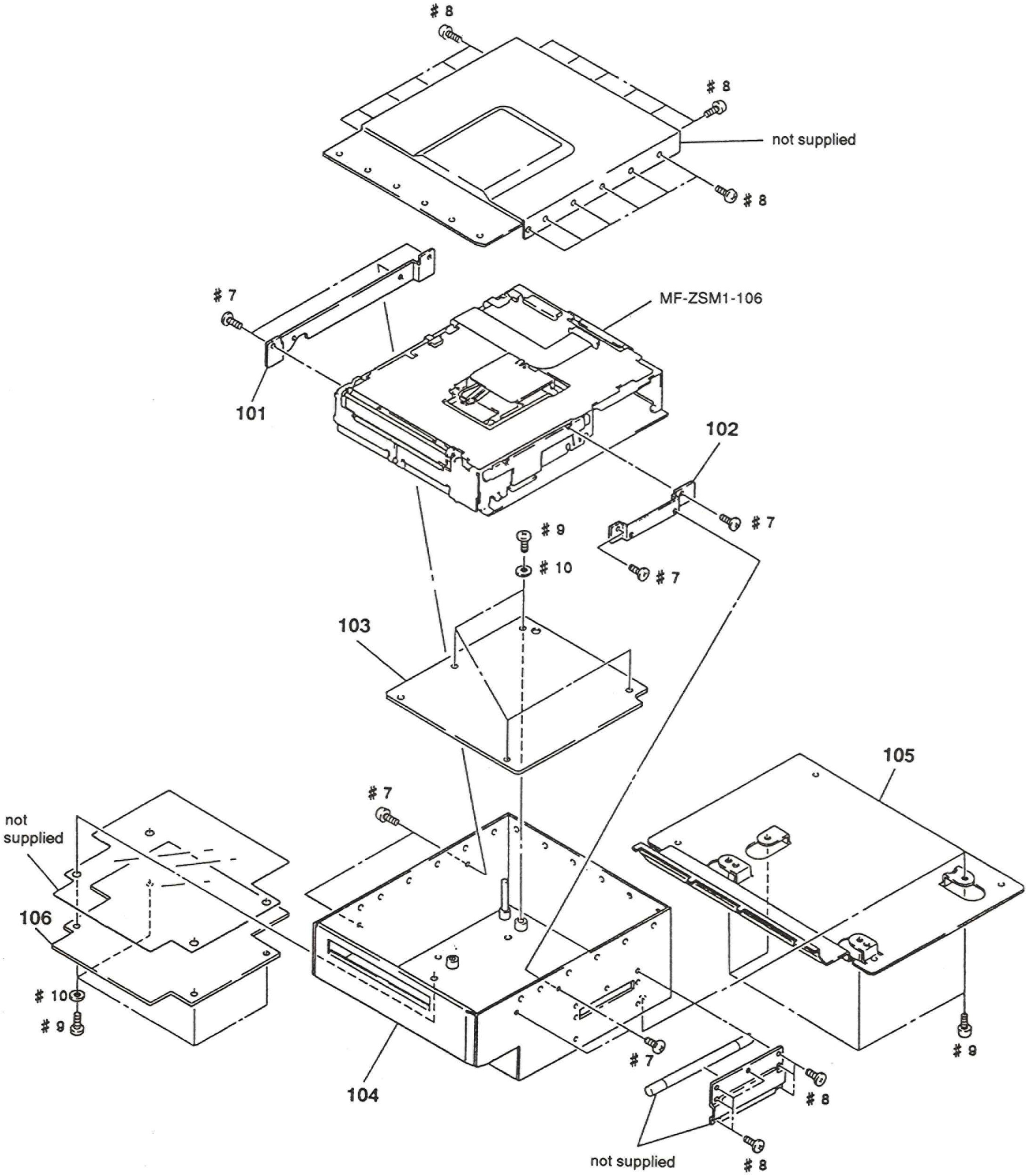


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
* 51	A-3264-587-A	CONTROL BOARD, COMPLETE (AEP, UK, G, IT)	
* 51	A-3264-623-A	CONTROL BOARD, COMPLETE (US, Canadian)	
* 52	A-3264-584-A	MAIN BOARD, COMPLETE (AEP, G)	
* 52	A-3264-618-A	MAIN BOARD, COMPLETE (US, Canadian)	
* 52	A-3264-619-A	MAIN BOARD, COMPLETE (UK)	
* 52	A-3264-621-A	MAIN BOARD, COMPLETE (IT)	
* 53	A-3264-585-A	DECODER BOARD, COMPLETE	
* 54	1-648-325-11	POWER SW BOARD	
* 55	1-648-204-11	AUDIO SWITCH-2 BOARD	
* 56	1-648-204-11	AUDIO SWITCH-1 BOARD	
* 57	1-648-326-11	DIGITAL IN BOARD	
* 58	1-648-327-11	MD POWER BOARD	
59	3-831-441-XX	CUSHION, SPEAKER	
* 60	3-388-953-01	SHEET (FFC), INSULATING	
* 61	4-917-583-21	BRACKET, YOKE	
* 62	3-375-850-01	COVER, VOL	
* 63	1-649-640-11	VOLUME BOARD	
* 64	1-649-096-11	INLET BOARD (US, Canadian)	
* 64	1-649-639-11	INLET BOARD (AEP, UK, G, IT)	
* 65	A-3264-583-A	RADIO BOARD, COMPLETE (AEP, UK, G, IT)	
* 65	A-3264-785-A	RADIO BOARD, COMPLETE (US, Canadian)	
* 66	1-647-788-21	ANTENNA TERMINAL BOARD	
67	1-751-129-11	WIRE, PARALLEL (FFC) (17 CORE)	
* 68	3-377-918-01	TERMINAL BOARD, ANTENNA	
* 69	1-647-915-21	LOOP ANTENNA BOARD	
70	3-375-853-01	PACKING, ANTENNA	
71	4-938-309-21	KNOB (VOL)	
72	X-3366-906-1	CABINET ASSY, REAR (AEP, UK, G, IT)	
72	X-3367-208-1	CABINET ASSY, REAR (US, Canadian)	
* 73	3-375-852-01	PACKING, LEAD	
ANT1	1-501-530-11	ANTENNA, TELESCOPIC	
⚠F901	1-576-193-11	FUSE (6.3A) (US, Canadian)	
⚠F901	1-532-506-51	FUSE (T6.3A) (AEP, UK, G, IT)	
⚠F902	1-576-104-11	FUSE (2A) (US, Canadian)	
⚠T901	1-423-772-11	TRANSFORMER, POWER (US, Canadian)	
⚠T901	1-697-020-11	TRANSFORMER, POWER (UK)	
⚠T901	1-697-021-11	TRANSFORMER, POWER (AEP, G, IT)	

5-3. MD BLOCK ASSEMBLY

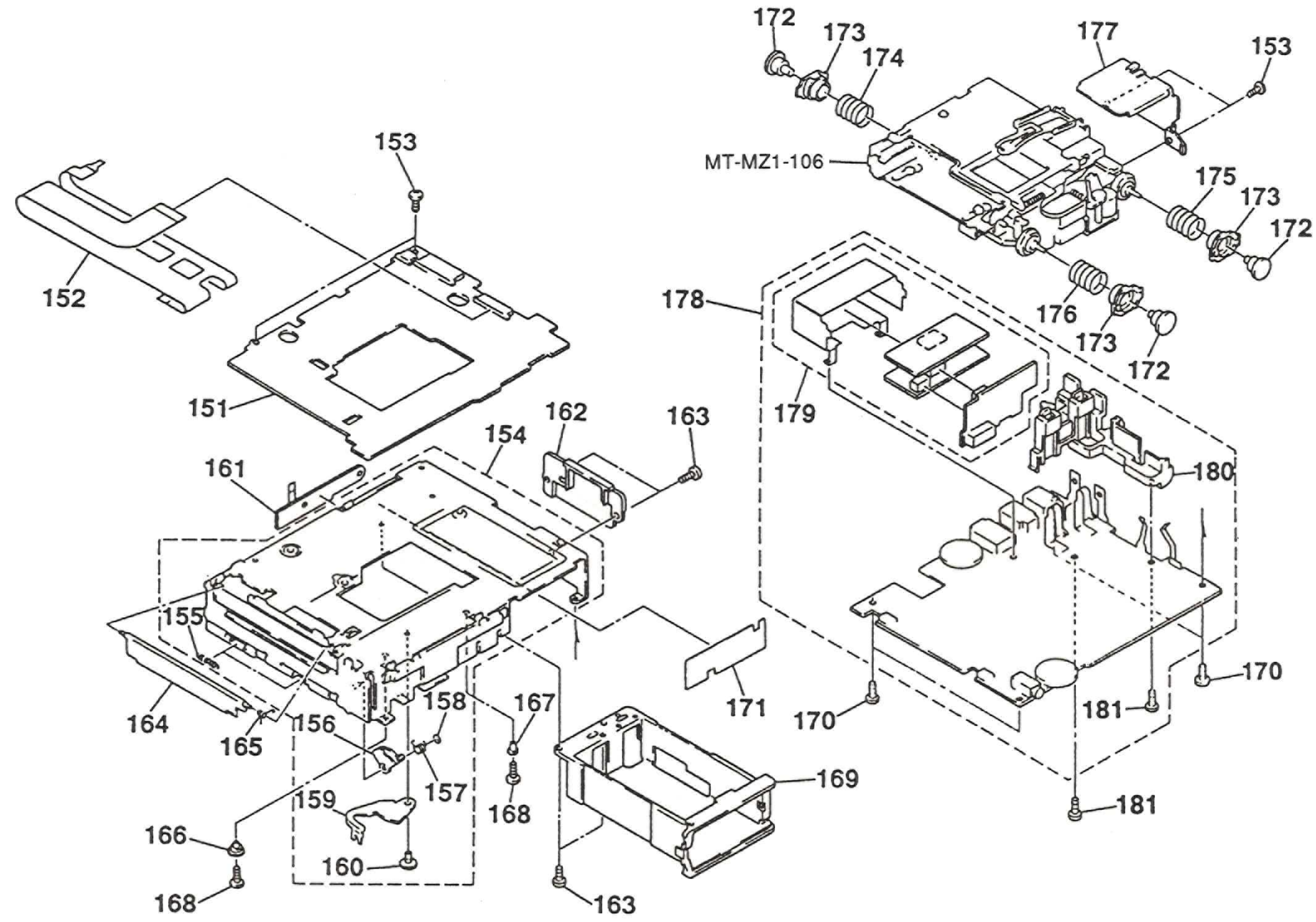


# 8
# 8
not supplied
# 8
# 7
MF-ZSM1-106
101
102
# 9
# 7
# 10
# 7
103
105
not supplied
# 7
106
# 10
# 9
104
# 7
# 8
# 9
not supplied
# 8

Ref. No.	Part No.	Description	Remark
* 101	3-385-985-01	HOLDER (L), MD	
* 102	3-385-986-01	HOLDER (R), MD	
* 103	A-3264-200-A	I O BOARD, COMPLETE	
* 104	X-3366-119-1	CASE ASSY, SHIELD	

Ref. No.	Part No.	Description	Remark
* 105	3-386-016-01	BRACKET	
* 106	A-3264-581-A	FILTER BOARD, COMPLETE	

5-4. MECHANISM CHASSIS ASSEMBLY (MF-ZSM1-106)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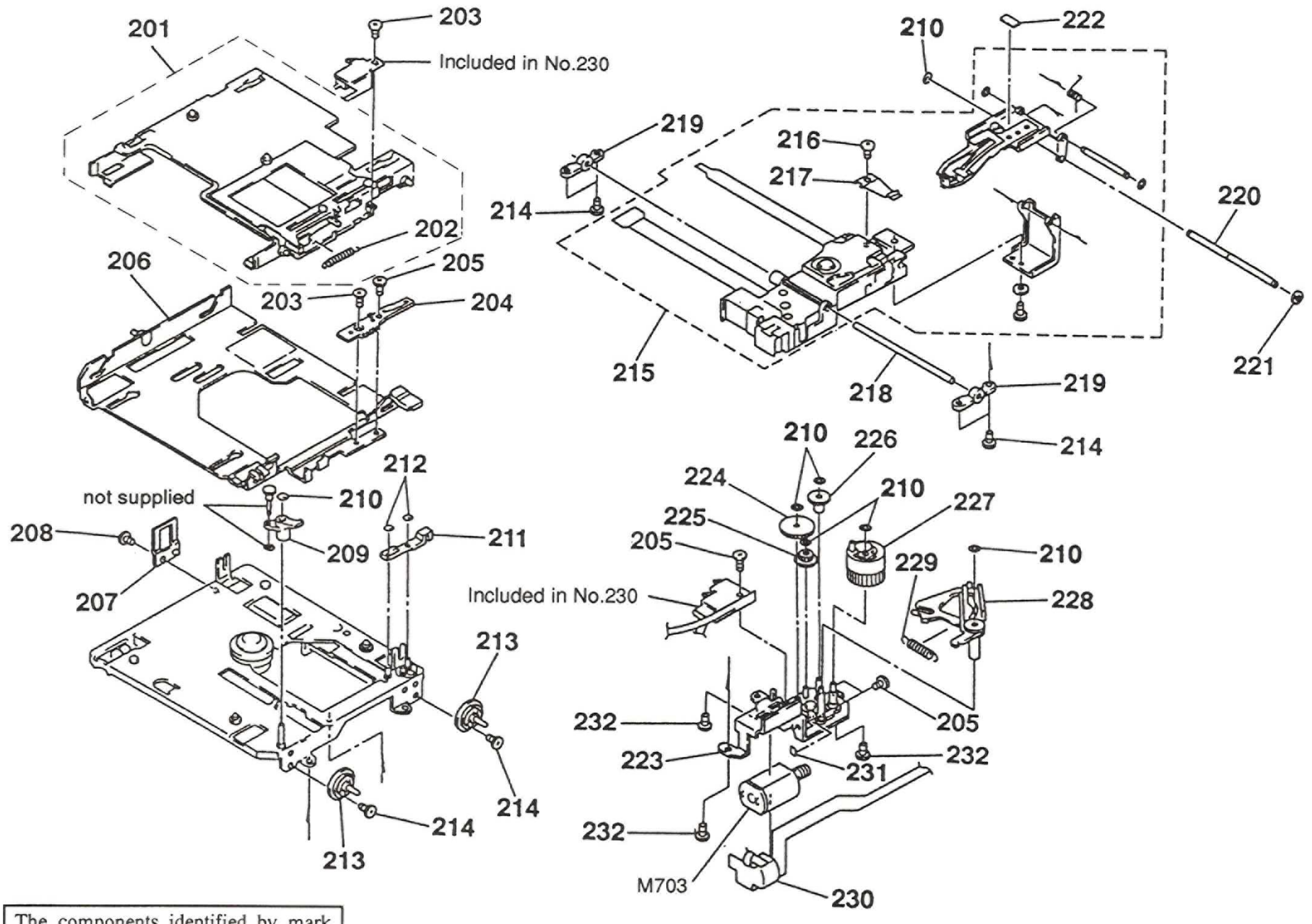
Ref. No.	Part No.	Description	Remark
* 151	A-3275-715-A	CONTROL BOARD, COMPLETE (MD)	
152	1-645-919-11	RELAY (A) FLEXIBLE BOARD	
153	4-955-841-01	SCREW	
154	X-4943-980-2	CHASSIS ASSY, SUB	
155	4-955-450-01	SPRING, TENSION	
156	4-955-526-01	LEVER (SHUTTER)	
157	4-955-528-01	SPRING (SHUTTER RD), TORSION	
158	3-348-953-11	WASHER	
159	4-955-542-01	LEVER (S OPEN)	
160	4-955-544-01	SCREW (M1.7), STEP	
161	1-466-923-11	SWITCH UNIT (MIC)	
162	4-955-541-01	REINFORCEMENT (B)	
163	3-704-244-34	SCREW (P1.7X2.5)	
164	4-955-515-01	SHUTTER (EJECT)	
165	4-955-527-01	SPRING (SHUTTER E), TORSION	
166	4-957-308-02	RING, REINFORCEMENT	

Ref. No.	Part No.	Description	Remark
167	4-957-267-02	COLLAR, REINFORCEMENT	
168	3-704-244-84	SCREW (P1.7X5.0)	
169	4-955-529-01	CASE (BATTERY)	
170	2-134-636-41	SCREW (M1.7X4.0)	
171	4-957-572-01	SHEET (E-E), INSULATING	
172	4-955-511-01	DAMPER	
173	4-955-516-01	HOLDER (DAMPER)	
174	4-955-538-01	SPRING (MD1), COMPRESSION (BLACK)	
175	4-955-539-01	SPRING (MD2), COMPRESSION (WHITE)	
176	4-955-540-01	SPRING (MD3), COMPRESSION (BLUE)	
* 177	4-956-096-01	COVER (O H)	
* 178	A-3276-055-A	MAIN BOARD, COMPLETE (MD)	
* 179	A-3275-782-A	POWER BOARD, COMPLETE (MD)	
180	4-955-523-03	HOLDER (TERMINAL)	
181	2-123-861-01	SCREW, TAPPING, P1.7X3	

5-5. MECHANISM DECK ASSEMBLY-1
(MT-MZ1-106)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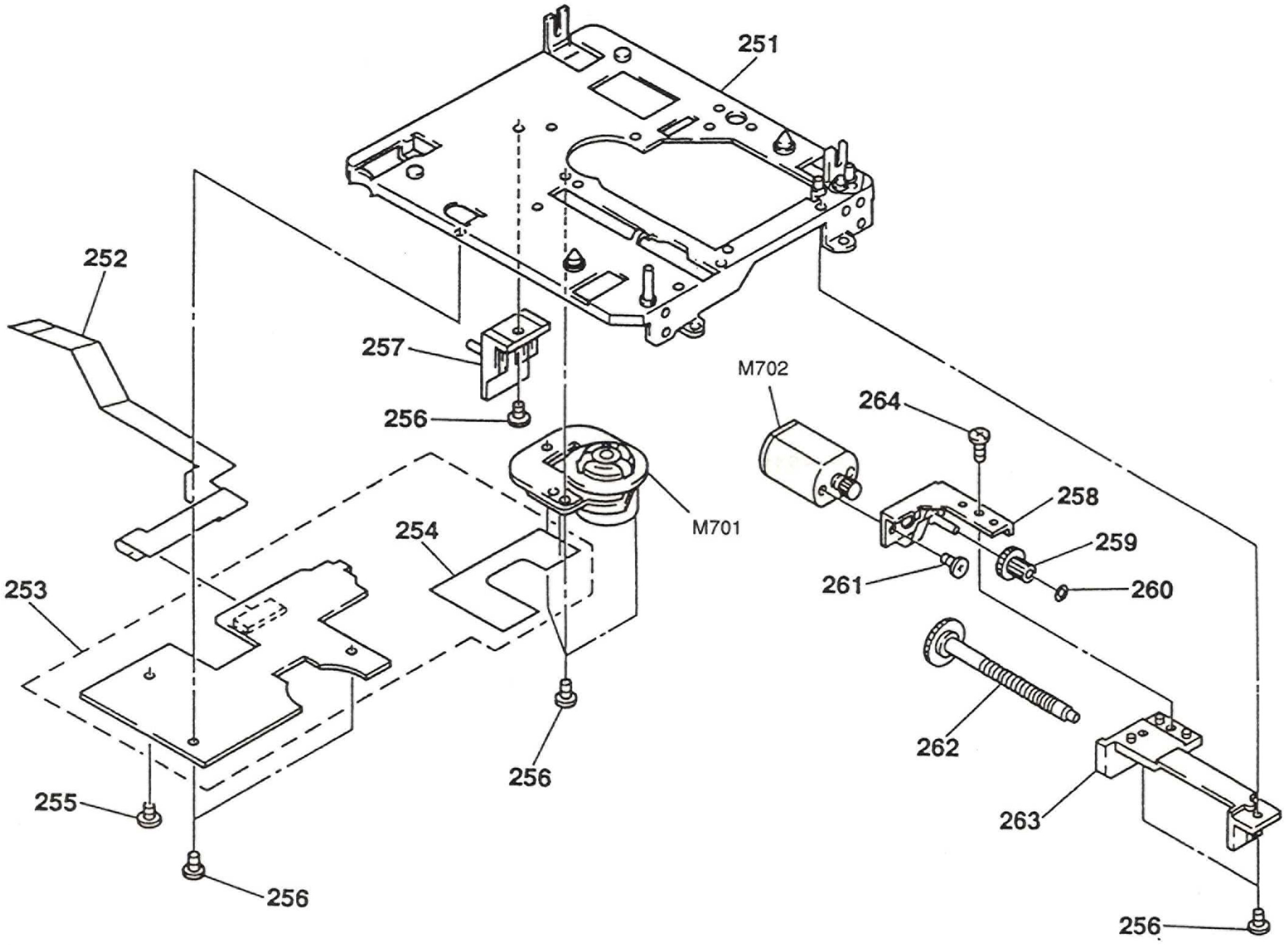
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
201	X-4943-091-1	HOLDER ASSY	
202	3-385-103-01	SPRING (LOCK), TENSION	
203	3-363-220-21	SCREW (M1.4X1.8)	
204	4-955-498-01	LEVER (RACK)	
205	3-704-197-02	SCREW (M1.4X1.6), LOCKING	
206	X-4943-088-1	SLIDER ASSY, MAIN	
207	4-955-520-01	STOPPER, SHAFT	
208	4-955-841-01	SCREW	
209	4-955-500-01	LEVER (POSITIONING)	
210	3-578-242-11	WASHER	
211	4-955-499-01	SLIDER (RP)	
212	3-338-645-31	WASHER (0.8-2.5)	
213	X-4943-083-3	HOLDER (B)ASSY, VIBRATION PROOF	
214	4-955-841-21	SCREW	
⚠215	A-3263-173-A	OP BLOCK ASSY (KMS-130B)	
216	3-704-197-21	SCREW (M1.4X2.5), LOCKING	
217	4-955-517-01	SPRING, FEED	
218	4-959-632-01	SHAFT (OP), GUIDE	
219	4-955-505-01	RETAINER, SHAFT, GUIDE	
220	4-955-510-01	SHAFT (REC)	
221	3-315-384-31	WASHER, STOPPER	
222	3-831-441-11	CUSHION	
223	X-4943-084-6	CHASSIS ASSY, GEAR	
224	4-955-495-01	WHEEL, WORM	
225	4-955-496-01	GEAR (MIDWAY B)	
226	4-955-497-01	GEAR (MIDWAY C)	
227	X-4943-085-1	GEAR (LOADING) ASSY	
228	X-4943-089-1	LEVER (LOADING) ASSY	
229	3-385-104-01	SPRING (LIMITER), TENSION	
230	1-466-925-11	SWITCH UNIT (DETECTION)	
* 231	3-317-577-01	SPACER (Z)	
232	3-704-243-11	SCREW (P1.7X2.0)	
M703	1-698-035-11	MOTOR, DC (LOADING)	

5-6. MECHANISM DECK ASSEMBLY-2 (MT-MZ1-106)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Ref. No.	Part No.	Description	Remark
251	X-4943-080-1	CHASSIS ASSY	
252	1-649-066-11	RELAY (B) FLEXIBLE BOARD	
253	A-3275-714-A	CLV BOARD, COMPLETE	
254	1-645-921-11	CLV FLEXIBLE BOARD	
255	2-134-636-21	SCREW (M1. 7X2. 5)	
256	4-955-841-21	SCREW	
257	X-4943-082-3	HOLDER (A)ASSY, VIBRATION PROOF	
258	X-4943-087-3	HOLDER ASSY, MOTOR	
259	4-955-518-01	GEAR (B)	
260	3-325-394-11	WASHER, STOPPER	
261	3-704-197-02	SCREW (M1. 4X1. 6), LOCKING	
262	A-3263-172-A	SCREW BLOCK ASSY, LEAD	
263	4-955-519-02	BRACKET (A)	
264	2-123-861-01	SCREW, TAPPING, P1. 7X3	
M701	1-698-007-12	MOTOR (SPINDLE)	
M702	1-698-008-11	MOTOR, DC (SLED)	

SECTION 6
ELECTRICAL PARTS LIST

ANTENNA TERMINAL
AUDIO SWITCH-1
AUDIO SWITCH-2
CONTROL

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH
- Hardware (# mark) list is given in the last of this parts list.
- G: German model
- IT: Italian model

Ref. No.	Part No.	Description	Remark
*	1-647-788-21	ANTENNA TERMINAL BOARD, COMPLETE ********************************	
		< CONNECTOR >	
* CN2	1-750-510-11	PIN, CONNECTOR (PC BOARD)	
* CN3	1-750-510-11	PIN, CONNECTOR (PC BOARD)	
* CN5	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
		< COIL >	
L9	1-408-646-11	COIL (ANT)	

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Ref. No.	Part No.	Description	Remark
*	1-648-204-11	AUDIO SWITCH-1 BOARD ********************	
		< TRANSISTOR >	
Q309	8-729-106-60	TRANSISTOR 2SB1115A	
Q310	8-729-900-52	TRANSISTOR DTC114YK	
		< RESISTOR >	
R332	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R333	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	

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Ref. No.	Part No.	Description	Remark
*	1-648-204-11	AUDIO SWITCH-2 BOARD ********************	
		< TRANSISTOR >	
Q910	8-729-106-60	TRANSISTOR 2SB1115A	
Q911	8-729-900-52	TRANSISTOR DTC114YK	
		< RESISTOR >	
R924	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R925	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	

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Ref. No.	Part No.	Description	Remark
*	A-3264-587-A	CONTROL BOARD, COMPLETE (AEP, UK, G, IT) **************************************	
*	A-3264-623-A	CONTROL BOARD, COMPLETE (US, Canadian) **************************************	
	7-685-861-01	SCREW +BVTT 2.6X5 (S)	
		< CAPACITOR >	
C151	1-126-044-11	ELECT 1uF 20% 50V	
C152	1-130-481-00	MYLAR 0.0068uF 5% 50V	
C153	1-130-481-00	MYLAR 0.0068uF 5% 50V	
C154	1-130-469-00	MYLAR 680PF 5% 50V	
C155	1-162-213-31	CERAMIC 39PF 5% 50V	
C251	1-126-044-11	ELECT 1uF 20% 50V	
C252	1-130-481-00	MYLAR 0.0068uF 5% 50V	
C253	1-130-481-00	MYLAR 0.0068uF 5% 50V	
C254	1-130-469-00	MYLAR 680PF 5% 50V	
C255	1-162-213-31	CERAMIC 39PF 5% 50V	
C351	1-124-994-11	ELECT 100uF 20% 10V	
C352	1-124-994-11	ELECT 100uF 20% 10V	
C501	1-131-370-00	TANTALUM 6.8uF 10% 16V	
C502	1-161-057-00	CERAMIC 0.033uF 10% 50V	
C503	1-126-916-11	ELECT 1000uF 20% 6.3V	
C582	1-124-443-00	ELECT 100uF 20% 10V	
C587	1-161-379-00	CERAMIC 0.01uF 20% 25V	
		< CONNECTOR >	
* CN501	1-691-609-11	HOUSING, CONNECTOR (PC BOARD)	
* CN502	1-691-609-11	HOUSING, CONNECTOR (PC BOARD)	
* CN503	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
* CN504	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
* CN505	1-750-170-11	CONNECTOR, BOARD TO BOARD 16P	
		< DIODE >	
D501	8-719-027-79	DIODE BR3368S (OPERATION)	
D502	8-719-027-79	DIODE BR3368S (AEP, UK, G, IT)	
D503	8-719-027-79	DIODE BR3368S (REC)	
D504	8-719-027-79	DIODE BR3368S (REC)	
		< EL LUMINOUS ELEMENT >	
EL501	1-810-033-11	LUMINOUS ELEMENT, EL	

CONTROL

Ref. No.	Part No.	Description				Remark
		< IC >				
IC351	8-759-710-98	IC	NJM2100D			
IC501	8-749-923-11	IC	GP1U58XB			
		< JACK >				
J351	1-691-668-11	JACK (PHONES)				
		< COIL >				
L501	1-410-978-11	INDUCTOR	150uH			
L502	1-410-971-11	INDUCTOR	10uH			
L574	1-410-977-11	INDUCTOR	100uH			
L575	1-410-977-11	INDUCTOR	100uH			
		< LINE FILTER >				
LF501	1-402-984-11	FILTER, COMMON MODE				
		< FLUORECENT INDICATOR >				
ND501	1-809-993-11	DISPLAY PANEL, LIQUID CRYSTAL				
		< TRANSISTOR >				
Q501	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q502	8-729-902-80	TRANSISTOR	DTA114YS			
Q503	8-729-806-30	TRANSISTOR	2SC4048			
Q581	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q582	8-729-119-76	TRANSISTOR	2SA1175-HFE			
		< RESISTOR >				
R151	1-249-438-11	CARBON	56K	5%	1/4W	
R152	1-249-438-11	CARBON	56K	5%	1/4W	
R153	1-249-429-11	CARBON	10K	5%	1/4W	
R154	1-249-431-11	CARBON	15K	5%	1/4W	
R155	1-249-431-11	CARBON	15K	5%	1/4W	
R251	1-249-438-11	CARBON	56K	5%	1/4W	
R252	1-249-438-11	CARBON	56K	5%	1/4W	
R253	1-249-429-11	CARBON	10K	5%	1/4W	
R254	1-249-431-11	CARBON	15K	5%	1/4W	
R255	1-249-431-11	CARBON	15K	5%	1/4W	
R351	1-249-405-11	CARBON	100	5%	1/4W	F
R352	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R353	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R501	1-215-412-00	METAL	430	1%	1/6W	
R502	1-215-414-00	METAL	510	1%	1/6W	
R503	1-215-416-00	METAL	620	1%	1/6W	
R504	1-215-419-00	METAL	820	1%	1/6W	
R505	1-215-421-00	METAL	1K	1%	1/6W	
R506	1-215-412-00	METAL	430	1%	1/6W	
R507	1-215-414-00	METAL	510	1%	1/6W	
R508	1-215-416-00	METAL	620	1%	1/6W	
R509	1-215-419-00	METAL	820	1%	1/6W	
R510	1-215-421-00	METAL	1K	1%	1/6W	
R511	1-215-412-00	METAL	430	1%	1/6W	
R512	1-215-414-00	METAL	510	1%	1/6W	
R513	1-215-416-00	METAL	620	1%	1/6W	
R514	1-215-419-00	METAL	820	1%	1/6W	
R515	1-215-421-00	METAL	1K	1%	1/6W	
R516	1-215-424-00	METAL	1.3K	1%	1/6W	
R517	1-215-427-00	METAL	1.8K	1%	1/6W	
R518	1-215-432-00	METAL	3K	1%	1/6W	
R519	1-215-437-00	METAL	4.7K	1%	1/6W	
R520	1-215-444-00	METAL	9.1K	1%	1/6W	
R521	1-215-455-00	METAL	27K	1%	1/6W	
R522	1-215-412-00	METAL	430	1%	1/6W	
R523	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R524	1-215-417-00	METAL	680	1%	1/6W	
R525	1-249-412-11	CARBON	390	5%	1/4W	F
R526	1-249-412-11	CARBON	390	5%	1/4W	F
R527	1-249-424-11	CARBON	3.9K	5%	1/4W	F
R528	1-249-405-11	CARBON	100	5%	1/4W	F
R529	1-215-437-00	METAL	4.7K	1%	1/6W	
R530	1-215-437-00	METAL	4.7K	1%	1/6W	
R531	1-215-437-00	METAL	4.7K	1%	1/6W	
R532	1-215-437-00	METAL	4.7K	1%	1/6W	
R533	1-249-437-11	CARBON	47K	5%	1/4W	(US, Canadian)
R534	1-249-441-11	CARBON	100K	5%	1/4W	(US, Canadian)
R535	1-247-887-00	CARBON	220K	5%	1/4W	
R536	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R537	1-249-441-11	CARBON	100K	5%	1/4W	
R538	1-249-441-11	CARBON	100K	5%	1/4W	
R583	1-249-429-11	CARBON	10K	5%	1/4W	
		< VARIABLE RESISTOR >				
RV351	1-223-335-11	RES, VAR, CARBON 100K/100K (BASS)				
RV352	1-223-335-11	RES, VAR, CARBON 100K/100K (TREBLE)				
		< SWITCH >				
S501	1-572-198-11	SWITCH, KEY BOARD (POWER)				
S502	1-572-198-11	SWITCH, KEY BOARD (FUNCTION)				
S503	1-572-198-11	SWITCH, KEY BOARD (CLOCK)				
S504	1-572-198-11	SWITCH, KEY BOARD (TIMER)				
S505	1-572-198-11	SWITCH, KEY BOARD (SLEEP)				
S506	1-572-198-11	SWITCH, KEY BOARD (STANDBY)				
S507	1-572-198-11	SWITCH, KEY BOARD (RADIO BAND)				
S508	1-572-198-11	SWITCH, KEY BOARD (PRESET +)				
S509	1-572-198-11	SWITCH, KEY BOARD (PRESET -)				
S510	1-572-198-11	SWITCH, KEY BOARD (TUNING, TIME SET +)				
S511	1-572-198-11	SWITCH, KEY BOARD (TUNING, TIME SET -)				
S512	1-572-198-11	SWITCH, KEY BOARD (MODE)				

Ref. No.	Part No.	Description	Remark
S513	1-572-198-11	SWITCH, KEY BOARD (DATE)	
S514	1-572-198-11	SWITCH, KEY BOARD (▶▶)	
S515	1-572-198-11	SWITCH, KEY BOARD (◀◀)	
S516	1-572-198-11	SWITCH, KEY BOARD (DISC NAME)	
S517	1-572-198-11	SWITCH, KEY BOARD (TRACK NAME)	
S518	1-572-198-11	SWITCH, KEY BOARD (⏏)	
S519	1-572-198-11	SWITCH, KEY BOARD (▶▶|)	
S520	1-572-198-11	SWITCH, KEY BOARD (|◀◀)	
S521	1-572-198-11	SWITCH, KEY BOARD (■)	
S522	1-572-198-11	SWITCH, KEY BOARD (❚❚)	
S523	1-572-198-11	SWITCH, KEY BOARD (▷)	
S524	1-572-198-11	SWITCH, KEY BOARD (●)	
S525	1-572-198-11	SWITCH, KEY BOARD (EDIT)	
S526	1-572-198-11	SWITCH, KEY BOARD (RESET)	
S527	1-572-347-21	SWITCH, SLIDE (INPUT SELECT)	
		< TRANSFORMER >	
T501	1-450-814-11	TRANSFORMER, INVERTER	

****

* A-3264-583-A DECODER BOARD
****

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
* CN701	1-569-278-11	PIN, CONNECTOR (PC BOARD) 12P	
		< DIODE >	
D701	8-719-400-18	DIODE MA152WK	
		< IC >	
IC701	8-759-242-29	IC TC74HC4514AP	
		< TRANSISTOR >	
Q701	8-729-920-31	TRANSISTOR DTC343TK	
Q702	8-729-920-31	TRANSISTOR DTC343TK	
Q703	8-729-920-31	TRANSISTOR DTC343TK	
Q704	8-729-920-31	TRANSISTOR DTC343TK	
Q705	8-729-920-31	TRANSISTOR DTC343TK	
Q706	8-729-920-31	TRANSISTOR DTC343TK	
Q707	8-729-920-31	TRANSISTOR DTC343TK	
Q708	8-729-920-31	TRANSISTOR DTC343TK	
Q709	8-729-920-31	TRANSISTOR DTC343TK	
Q710	8-729-920-31	TRANSISTOR DTC343TK	
Q711	8-729-920-31	TRANSISTOR DTC343TK	
Q712	8-729-920-31	TRANSISTOR DTC343TK	
Q713	8-729-920-31	TRANSISTOR DTC343TK	
Q714	8-729-920-31	TRANSISTOR DTC343TK	
Q715	8-729-920-31	TRANSISTOR DTC343TK	
		< RESISTOR >	
R701	1-216-634-11	METAL CHIP 200 0.5% 1/10W	
R702	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
R703	1-216-637-11	METAL CHIP 270 0.5% 1/10W	
R704	1-216-639-11	METAL CHIP 330 0.5% 1/10W	
R705	1-216-642-11	METAL CHIP 430 0.5% 1/10W	
R706	1-216-644-11	METAL CHIP 510 0.5% 1/10W	
R707	1-216-646-11	METAL CHIP 620 0.5% 1/10W	
R708	1-216-649-11	METAL CHIP 820 0.5% 1/10W	
R709	1-216-652-11	METAL CHIP 1.1K 0.5% 1/10W	
R710	1-216-655-11	METAL CHIP 1.5K 0.5% 1/10W	
R711	1-216-660-11	METAL CHIP 2.4K 0.5% 1/10W	
R712	1-216-665-11	METAL CHIP 3.9K 0.5% 1/10W	
R713	1-216-672-11	METAL CHIP 7.5K 0.5% 1/10W	
R714	1-216-684-91	METAL CHIP 24K 0.50% 1/10W	
R715	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R716	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R717	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R718	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R719	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R720	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R721	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R722	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R723	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R724	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R725	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R726	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R727	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R728	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R729	1-216-089-00	METAL CHIP 47K 5% 1/10W	

****

* 1-648-326-11 DIGITAL IN BOARD
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Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q803	8-729-900-52	TRANSISTOR DTC114YK	
Q804	8-729-901-46	TRANSISTOR DTA114YK	

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* A-3264-581-A FILTER BOARD, COMPLETE
****

Ref. No.	Part No.	Description	Remark
		< CAPACITOR >	
C451	1-239-601-21	FILTER, CHIP EMI	
C452	1-239-601-21	FILTER, CHIP EMI	
C453	1-239-601-21	FILTER, CHIP EMI	
C454	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C455	1-239-601-21	FILTER, CHIP EMI	

FILTER IO

Ref. No.	Part No.	Description	Remark
C456	1-239-601-21	FILTER, CHIP EMI	
C457	1-239-601-21	FILTER, CHIP EMI	
C458	1-239-601-21	FILTER, CHIP EMI	
C459	1-239-601-21	FILTER, CHIP EMI	
C460	1-239-601-21	FILTER, CHIP EMI	
C461	1-239-601-21	FILTER, CHIP EMI	
C462	1-239-601-21	FILTER, CHIP EMI	
C463	1-239-601-21	FILTER, CHIP EMI	
C464	1-239-601-21	FILTER, CHIP EMI	
C465	1-239-601-21	FILTER, CHIP EMI	
C466	1-239-601-21	FILTER, CHIP EMI	
C467	1-239-601-21	FILTER, CHIP EMI	
C468	1-239-601-21	FILTER, CHIP EMI	
C469	1-239-601-21	FILTER, CHIP EMI	
C470	1-239-601-21	FILTER, CHIP EMI	
C471	1-239-601-21	FILTER, CHIP EMI	
C472	1-239-601-21	FILTER, CHIP EMI	
C473	1-239-601-21	FILTER, CHIP EMI	
C474	1-239-601-21	FILTER, CHIP EMI	
C475	1-239-601-21	FILTER, CHIP EMI	
C476	1-239-601-21	FILTER, CHIP EMI	
C477	1-239-601-21	FILTER, CHIP EMI	
C478	1-239-601-21	FILTER, CHIP EMI	
C479	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C480	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C483	1-239-601-21	FILTER, CHIP EMI	
		< CONNECTOR >	
* CN451	1-750-524-11	CONNECTOR, FFC/FPC 26P	
* CN452	1-750-524-11	CONNECTOR, FFC/FPC 26P	
* CN453	1-750-536-11	CONNECTOR, FLEXIBLE 6P	
* CN454	1-750-536-11	CONNECTOR, FLEXIBLE 6P	
* CN455	1-750-537-11	CONNECTOR, FLEXIBLE 7P	
* CN456	1-750-536-11	CONNECTOR, FLEXIBLE 6P	
* CN457	1-750-537-11	CONNECTOR, FLEXIBLE 7P	
* CN458	1-750-537-11	CONNECTOR, FLEXIBLE 7P	
		< DIODE >	
D401	8-719-400-18	DIODE MA152WK	
		< JUMPER RESISTOR >	
JR50	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR51	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR52	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR53	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR54	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR55	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR56	1-216-295-00	METAL CHIP 0 5% 1/10W	

Ref. No.	Part No.	Description	Remark
		< LINE FILTER >	
LF400	1-402-951-11	COIL, LINE FILTER	
		< TRANSISTOR >	
Q405	8-729-421-19	TRANSISTOR UN2213	
		< RESISTOR >	
R400	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R401	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R402	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R403	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R404	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R405	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R408	1-216-097-00	METAL CHIP 100K 5% 1/10W	

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Ref. No.	Part No.	Description	Remark
*	A-3264-200-A	IO BOARD, COMPLETE ******************	
*	1-751-002-11	WIRE, PARALLEL (16 CORE)	
*	1-751-003-11	WIRE, PARALLEL (28 CORE)	
*	1-751-004-11	WIRE, PARALLEL (6 CORE)	
*	1-751-005-11	WIRE, PARALLEL (6 CORE)	
*	1-751-006-11	WIRE, PARALLEL (7 CORE)	
		< CAPACITOR >	
C601	1-124-584-00	ELECT 100uF 20% 10V	
C602	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C603	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C604	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C605	1-124-584-00	ELECT 100uF 20% 10V	
C606	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C607	1-124-584-00	ELECT 100uF 20% 10V	
C608	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
C613	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C614	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C615	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C651	1-424-464-21	FILTER, NOISE	
C652	1-424-464-21	FILTER, NOISE	
C653	1-424-464-21	FILTER, NOISE	
C654	1-424-464-21	FILTER, NOISE	
C656	1-424-464-21	FILTER, NOISE	
C657	1-424-464-21	FILTER, NOISE	
C658	1-424-464-21	FILTER, NOISE	
C660	1-424-464-21	FILTER, NOISE	
C662	1-424-464-21	FILTER, NOISE	
C664	1-424-464-21	FILTER, NOISE	
C665	1-424-464-21	FILTER, NOISE	
C666	1-424-464-21	FILTER, NOISE	
C667	1-424-464-21	FILTER, NOISE	

Ref. No.	Part No.	Description				Remark
C668	1-424-464-21	FILTER, NOISE				
C669	1-424-464-21	FILTER, NOISE				
C670	1-424-464-21	FILTER, NOISE				
C671	1-424-464-21	FILTER, NOISE				
C672	1-424-464-21	FILTER, NOISE				
C673	1-424-464-21	FILTER, NOISE				
C674	1-406-579-11	FILTER, NOISE				
C675	1-424-464-21	FILTER, NOISE				
C676	1-424-464-21	FILTER, NOISE				
C677	1-424-464-21	FILTER, NOISE				
C678	1-424-464-21	FILTER, NOISE				
C679	1-424-464-21	FILTER, NOISE				
C681	1-424-464-21	FILTER, NOISE				
C683	1-424-464-21	FILTER, NOISE				
C684	1-424-464-21	FILTER, NOISE				
C685	1-424-464-21	FILTER, NOISE				
C686	1-424-464-21	FILTER, NOISE				
C687	1-424-464-21	FILTER, NOISE				
C688	1-424-464-21	FILTER, NOISE				
C689	1-424-464-21	FILTER, NOISE				
C690	1-126-926-11	ELECT	1000uF	20%	10V	
C691	1-126-926-11	ELECT	1000uF	20%	10V	
C694	1-164-346-11	CERAMIC CHIP	1uF		16V	
C699	1-163-038-00	CERAMIC CHIP	0.1uF		25V	

< CONNECTOR >

Ref. No.	Part No.	Description	Remark
CN601	1-695-825-11	HOUSING, CONNECTOR 16P	
* CN602	1-564-712-11	PIN, CONNECTOR (SMALL TYPE)10P	
* CN603	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
* CN604	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
* CN605	1-569-974-11	PIN, CONNECTOR (PC BOARD) 3P	
* CN606	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P	
* CN611	1-569-942-11	SOCKET, CONNECTOR 26P	
* CN615	1-569-926-11	SOCKET, CONNECTOR 7P	
* CN616	1-569-926-11	SOCKET, CONNECTOR 7P	
* CN621	1-569-925-11	SOCKET, CONNECTOR 6P	

< DIODE >

Ref. No.	Part No.	Description		Remark
D601	8-719-800-76	DIODE	1SS226	
D602	8-719-400-18	DIODE	MA152WK	
D603	8-719-400-18	DIODE	MA152WK	

< IC >

Ref. No.	Part No.	Description		Remark
IC601	8-759-161-70	IC	IDT7200S50SD-TR	
IC602	8-759-925-73	IC	SN74HC03NS	
IC603	8-759-925-76	IC	SN74HC08ANS	
IC614	8-759-058-82	IC	S-81240AG-RJ-S	

< JUMPER RESISTOR >

Ref. No.	Part No.	Description				Remark
JR1	1-216-295-00	METAL CHIP	0	5%	1/10W	
JR2	1-216-295-00	METAL CHIP	0	5%	1/10W	

< COIL >

Ref. No.	Part No.	Description		Remark
L600	1-412-006-31	INDUCTOR CHIP	10uH	
L601	1-408-421-00	INDUCTOR	100uH	
L602	1-408-421-00	INDUCTOR	100uH	
L603	1-408-421-00	INDUCTOR	100uH	
L604	1-410-977-11	INDUCTOR	100uH	
L605	1-414-211-11	INDUCTOR	100uH	
L606	1-412-006-31	INDUCTOR CHIP	10uH	
L607	1-410-979-11	INDUCTOR	220uH	
L608	1-410-979-11	INDUCTOR	220uH	
L610	1-412-006-31	INDUCTOR CHIP	10uH	
L611	1-410-979-11	INDUCTOR	220uH	

< TRANSISTOR >

Ref. No.	Part No.	Description		Remark
Q601	8-729-901-46	TRANSISTOR	DTA114YK	
Q602	8-729-421-19	TRANSISTOR	UN2213	
Q603	8-729-421-19	TRANSISTOR	UN2213	
Q604	8-729-421-19	TRANSISTOR	UN2213	
Q605	8-729-421-19	TRANSISTOR	UN2213	

< RESISTOR >

Ref. No.	Part No.	Description				Remark
R600	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R601	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R602	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R603	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R604	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R607	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R608	1-216-295-00	METAL CHIP	0	5%	1/10W	
R610	1-216-295-00	METAL CHIP	0	5%	1/10W	
R611	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R612	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R613	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R614	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R615	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R616	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R617	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R618	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R619	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R620	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R621	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R622	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R623	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R624	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R625	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R626	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R627	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R628	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R629	1-216-073-00	METAL CHIP	10K	5%	1/10W	

Ref. No.	Part No.	Description				Remark
R630	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R631	1-216-295-00	METAL CHIP	0	5%	1/10W	
R632	1-216-295-00	METAL CHIP	0	5%	1/10W	
R633	1-216-013-00	METAL CHIP	33	5%	1/10W	
R634	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R635	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R636	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R637	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R638	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	
R639	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R640	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R641	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R642	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R643	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R644	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R645	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R646	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R647	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R648	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R649	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R650	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R651	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R652	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R653	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R654	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R655	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R656	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R658	1-216-295-00	METAL CHIP	0	5%	1/10W	
R660	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R662	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R663	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R664	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R665	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R666	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R667	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R668	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R669	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R670	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R688	1-216-295-00	METAL CHIP	0	5%	1/10W	
**						
*	1-649-096-11	INLET BOARD (US, Canadian)				
		**************************				
*	1-649-639-11	INLET BOARD (AEP, UK, G, IT)				
		**************************				
		< CONNECTOR >				
⚠CN901	1-526-838-11	INLET, AC 2P (AEP, UK, G, IT)				
⚠CN901	1-540-009-11	INLET, AC 2P (US, Canadian)				
* CN902	1-569-715-11	PIN, CONNECTOR (PC BOARD) 2P				
		< FUSE >				
⚠F902	1-576-104-11	FUSE (2A) (US, Canadian)				
		< FUSE HOLDER >				
FH903	1-533-233-11	HOLDER, FUSE (US, Canadian)				
FH904	1-533-233-11	HOLDER, FUSE (US, Canadian)				
		< LINE FILTER >				
LF901	1-402-663-11	TRANSFORMER, LINE FILTER (LFT)				
**						
*	1-647-915-21	LOOP ANTENNA BOARD				
		******************				
		< FUSE HOLDER >				
ANT2	1-533-233-11	HOLDER, FUSE				
		< CONNECTOR >				
* CN6	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P				
		< TERMINAL >				
TB1	1-537-114-11	TERMINAL BOARD				
**						
*	A-3264-584-A	MAIN BOARD, COMPLETE (AEP, G)				
		****************************				
*	A-3264-618-A	MAIN BOARD, COMPLETE (US, Canadian)				
		**********************************				
*	A-3264-619-A	MAIN BOARD, COMPLETE (UK)				
		*************************				
*	A-3264-621-A	MAIN BOARD, COMPLETE (IT)				
		*************************				
*	4-902-345-01	HEAT SINK (AEP, UK, G, IT)				
*	3-309-144-21	HEAT SINK (US, Canadian)				
	7-682-547-09	SCREW +BVTT	3X6 (S) (AEP, UK, G, IT)			
	7-685-647-79	SCREW +BVTP	3X10 TYPE2 IT-3			
		< CAPACITOR >				
C101	1-126-044-11	ELECT	1uF	20%	50V	
C102	1-126-043-11	ELECT	0.47uF	20%	50V	
C103	1-126-043-11	ELECT	0.47uF	20%	50V	
C104	1-126-044-11	ELECT	1uF	20%	50V	
C105	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C106	1-123-369-00	ELECT	4.7uF	20%	25V	
C107	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	
C109	1-136-165-00	FILM	0.1uF	5%	50V	
C110	1-136-165-00	FILM	0.1uF	5%	50V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
C111	1-126-044-11	ELECT	1uF	20%	50V
C112	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C113	1-126-044-11	ELECT	1uF	20%	50V
C114	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C115	1-124-915-11	ELECT	10uF	20%	63V
C116	1-124-915-11	ELECT	10uF	20%	63V
C117	1-124-910-11	ELECT	47uF	20%	50V
C118	1-136-165-00	FILM	0.1uF	5%	50V
C119	1-136-165-00	FILM	0.1uF	5%	50V
C120	1-126-335-11	ELECT	220uF	20%	10V
C121	1-126-335-11	ELECT	220uF	20%	10V
C122	1-126-044-11	ELECT	1uF	20%	50V
C123	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C124	1-123-369-00	ELECT	4.7uF	20%	25V
C125	1-163-107-00	CERAMIC CHIP	39PF	5%	50V
C126	1-124-120-11	ELECT	220uF	20%	25V
C127	1-126-157-11	ELECT	10uF	20%	16V
C128	1-124-557-11	ELECT	1000uF	20%	25V
C129	1-126-044-11	ELECT	1uF	20%	50V
C130	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C131	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C133	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C134	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C136	1-126-044-11	ELECT	1uF	20%	50V
C137	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C150	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C151	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C190	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C201	1-126-044-11	ELECT	1uF	20%	50V
C202	1-126-043-11	ELECT	0.47uF	20%	50V
C203	1-126-043-11	ELECT	0.47uF	20%	50V
C204	1-126-044-11	ELECT	1uF	20%	50V
C205	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C206	1-123-369-00	ELECT	4.7uF	20%	25V
C207	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C209	1-136-165-00	FILM	0.1uF	5%	50V
C210	1-136-165-00	FILM	0.1uF	5%	50V
C211	1-126-044-11	ELECT	1uF	20%	50V
C212	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C213	1-126-044-11	ELECT	1uF	20%	50V
C214	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C215	1-124-915-11	ELECT	10uF	20%	63V
C216	1-124-915-11	ELECT	10uF	20%	63V
C217	1-124-910-11	ELECT	47uF	20%	50V
C218	1-136-165-00	FILM	0.1uF	5%	50V
C219	1-136-165-00	FILM	0.1uF	5%	50V
C220	1-126-335-11	ELECT	220uF	20%	10V
C221	1-126-335-11	ELECT	220uF	20%	10V
C222	1-126-044-11	ELECT	1uF	20%	50V
C223	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C224	1-123-369-00	ELECT	4.7uF	20%	25V
C225	1-163-107-00	CERAMIC CHIP	39PF	5%	50V
C226	1-124-120-11	ELECT	220uF	20%	25V
C227	1-126-157-11	ELECT	10uF	20%	16V
C229	1-126-044-11	ELECT	1uF	20%	50V
C230	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C231	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C233	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C234	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C236	1-126-044-11	ELECT	1uF	20%	50V
C237	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C250	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C251	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C290	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C301	1-126-101-11	ELECT	100uF	20%	16V
C302	1-126-101-11	ELECT	100uF	20%	16V
C304	1-126-101-11	ELECT	100uF	20%	16V
C305	1-126-101-11	ELECT	100uF	20%	16V
C307	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C309	1-126-101-11	ELECT	100uF	20%	16V
C310	1-126-101-11	ELECT	100uF	20%	16V
C312	1-124-902-00	ELECT	0.47uF	20%	50V
C313	1-124-122-11	ELECT	100uF	20%	50V
C314	1-126-101-11	ELECT	100uF	20%	16V
C315	1-124-126-00	ELECT	47uF	20%	10V
C319	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C320	1-124-910-11	ELECT	47uF	20%	50V
C321	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C331	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C802	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C803	1-124-443-00	ELECT	100uF	20%	10V
C804	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C805	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C806	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C807	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C808	1-163-110-00	CERAMIC CHIP	51PF	5%	50V
C809	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C810	1-124-907-11	ELECT	10uF	20%	50V
C811	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C812	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C813	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C814	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C815	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C816	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C817	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C818	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C819	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C820	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C821	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C823	1-124-903-11	ELECT	1uF	20%	50V
C826	1-163-110-00	CERAMIC CHIP	51PF	5%	50V
C828	1-163-038-00	CERAMIC CHIP	0.1uF		25V

MAIN

Ref. No.	Part No.	Description				Remark
C829	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C830	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C831	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V	
C832	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V	
C833	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C834	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C835	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C836	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C837	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C838	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C839	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C840	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C842	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C843	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C844	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C845	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C846	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C847	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C848	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C850	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C851	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C852	1-161-379-00	CERAMIC	0.01uF	20%	25V	(AEP, G)
C853	1-162-290-31	CERAMIC	470PF	10%	50V	(AEP, UK, G, IT)
C901	1-163-036-00	CERAMIC CHIP	0.068uF		50V	
C902	1-163-036-00	CERAMIC CHIP	0.068uF		50V	
C903	1-163-036-00	CERAMIC CHIP	0.068uF		50V	
C904	1-163-036-00	CERAMIC CHIP	0.068uF		50V	
C906	1-124-902-00	ELECT	0.47uF	20%	50V	
C907	1-126-101-11	ELECT	100uF	20%	16V	
C908	1-126-101-11	ELECT	100uF	20%	16V	
C909	1-123-306-00	ELECT	47uF	20%	10V	
C910	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C911	1-163-036-00	CERAMIC CHIP	0.068uF		50V	
C912	1-124-120-11	ELECT	220uF	20%	25V	
C913	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C914	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C915	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C917	1-164-346-11	CERAMIC CHIP	1uF		16V	
C922	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C923	1-124-907-11	ELECT	10uF	20%	50V	
C924	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C925	1-124-907-11	ELECT	10uF	20%	50V	
C926	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	
C927	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C928	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C931	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C933	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C934	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C935	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C951	1-126-233-11	ELECT	22uF	20%	50V	
C952	1-126-233-11	ELECT	22uF	20%	50V	
		< CONNECTOR >				
* CN101	1-569-973-11	PIN, CONNECTOR (PC BOARD) 2P				
* CN201	1-569-973-11	PIN, CONNECTOR (PC BOARD) 2P				
* CN301	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P				
* CN302	1-569-926-11	SOCKET, CONNECTOR 7P				
* CN801	1-691-610-11	PIN, CONNECTOR (PC BOARD) 20P				
* CN802	1-691-610-11	PIN, CONNECTOR (PC BOARD) 20P				
* CN803	1-569-934-11	SOCKET, CONNECTOR 17P				
* CN804	1-569-918-11	SOCKET, CONNECTOR 26P				
* CN805	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P				
* CN806	1-569-925-11	SOCKET, CONNECTOR 6P				
* CN808	1-750-538-11	HOUSING, CONNECTOR (PC BOARD) 12P				
* CN903	1-580-141-11	PIN, CONNECTOR (PC BOARD) 2P				
* CN904	1-569-925-11	SOCKET, CONNECTOR 6P				
		< DIODE >				
D304	8-719-400-18	DIODE	MA152WK			
D309	8-719-400-18	DIODE	MA152WK			
D801	8-719-400-18	DIODE	MA152WK			
D802	8-719-400-18	DIODE	MA152WK			
D903	8-719-400-18	DIODE	MA152WK			
D905	8-719-400-18	DIODE	MA152WK			
D906	8-719-114-66	DIODE	RD27M-B			
D909	8-719-400-18	DIODE	MA152WK			
D911	8-719-043-52	DIODE	F5KQ60			
D912	8-719-043-52	DIODE	F5KQ60			
D913	8-719-043-52	DIODE	F5KQ60			
D914	8-719-043-52	DIODE	F5KQ60			
		< FUSE >				
⚠F901	1-576-193-11	FUSE (US, Canadian)				
⚠F901	1-532-506-51	FUSE (AEP, UK, G, IT)				
		< FUSE HOLDER >				
FH901	1-533-233-11	HOLDER, FUSE				
FH902	1-533-233-11	HOLDER, FUSE				
		< IC >				
IC101	8-759-178-19	IC	uPC2505H			
IC201	8-759-178-19	IC	uPC2505H			
IC301	8-759-516-41	IC	CD4052BCM			
IC302	8-759-710-55	IC	NJM2100M			
IC303	8-759-636-55	IC	M5218AFP			
IC304	8-759-604-78	IC	M5216FP			
IC801	8-752-844-89	IC	CXP84120-010Q			
IC802	8-759-511-42	IC	S-80730AN			
IC803	8-759-242-29	IC	TC74HC4514AP			
IC804	8-749-923-04	IC	TOTX178			

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Ref. No.	Part No.	Description	Remark
IC805	8-749-923-05	IC TORX178	
IC806	8-759-234-20	IC TC7S08F	
IC901	8-759-513-10	IC BA3924-V3	
IC902	8-759-912-55	IC S-81250HG	
IC903	8-759-912-55	IC S-81250HG	
		< JACK >	
J301	1-566-822-21	JACK	
J302	1-566-822-21	JACK	
		< JUMPER RESISTOR >	
JR1	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR2	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR3	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR4	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR5	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR10	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR701	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR702	1-216-295-00	METAL CHIP 0 5% 1/10W	
		< COIL >	
L101	1-414-278-11	INDUCTOR 0uH	
L102	1-414-278-11	INDUCTOR 0uH	
L201	1-414-278-11	INDUCTOR 0uH	
L202	1-414-278-11	INDUCTOR 0uH	
L301	1-402-984-11	FILTER, COMMON MODE	
L302	1-402-984-11	FILTER, COMMON MODE	
L510	1-414-278-11	INDUCTOR 0uH	
L520	1-414-278-11	INDUCTOR 0uH	
L801	1-412-860-11	INDUCTOR 220uH	
L802	1-410-312-11	INDUCTOR 0.22uH	
L803	1-412-006-31	INDUCTOR CHIP 10uH	
L804	1-412-006-31	INDUCTOR CHIP 10uH	
L805	1-412-006-31	INDUCTOR CHIP 10uH	
L806	1-410-389-31	INDUCTOR CHIP 47uH	
L807	1-410-971-11	INDUCTOR 10uH	
L808	1-410-971-11	INDUCTOR 10uH	
L809	1-412-006-31	INDUCTOR CHIP 10uH	
L901	1-410-977-11	INDUCTOR 100uH	
L902	1-410-971-11	INDUCTOR 10uH	
L903	1-410-389-31	INDUCTOR CHIP 47uH	
		< IC LINK >	
⚠PS901	1-576-123-21	LINK, IC	
		< TRANSISTOR >	
Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q102	8-729-424-67	TRANSISTOR UN2216	
Q103	8-729-424-67	TRANSISTOR UN2216	
Q104	8-729-424-67	TRANSISTOR UN2216	(AEP, UK, G, IT)
Q106	8-729-424-67	TRANSISTOR UN2216	

Ref. No.	Part No.	Description	Remark
Q107	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q108	8-729-920-31	TRANSISTOR DTC343TK	
Q111	8-729-920-31	TRANSISTOR DTC343TK	
Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q202	8-729-424-67	TRANSISTOR UN2216	
Q203	8-729-424-67	TRANSISTOR UN2216	
Q204	8-729-424-67	TRANSISTOR UN2216	(AEP, UK, G, IT)
Q206	8-729-424-67	TRANSISTOR UN2216	
Q207	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q208	8-729-920-31	TRANSISTOR DTC343TK	
Q211	8-729-920-31	TRANSISTOR DTC343TK	
Q301	8-729-901-46	TRANSISTOR DTA114YK	
Q302	8-729-900-52	TRANSISTOR DTC114YK	
Q303	8-729-900-52	TRANSISTOR DTC114YK	
Q305	8-729-424-81	TRANSISTOR UN221E	
Q306	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q307	8-729-900-52	TRANSISTOR DTC114YK	
Q308	8-729-901-46	TRANSISTOR DTA114YK	
Q801	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q802	8-729-901-46	TRANSISTOR DTA114YK	
Q805	8-729-920-31	TRANSISTOR DTC343TK	
Q806	8-729-920-31	TRANSISTOR DTC343TK	
Q807	8-729-920-31	TRANSISTOR DTC343TK	
Q808	8-729-920-31	TRANSISTOR DTC343TK	
Q809	8-729-920-31	TRANSISTOR DTC343TK	
Q810	8-729-920-31	TRANSISTOR DTC343TK	
Q811	8-729-920-31	TRANSISTOR DTC343TK	
Q812	8-729-920-31	TRANSISTOR DTC343TK	
Q818	8-729-920-31	TRANSISTOR DTC343TK	
Q819	8-729-920-31	TRANSISTOR DTC343TK	
Q820	8-729-920-31	TRANSISTOR DTC343TK	
Q822	8-729-901-46	TRANSISTOR DTA114YK	
Q823	8-729-900-52	TRANSISTOR DTC114YK	
Q824	8-729-900-52	TRANSISTOR DTC114YK	
Q826	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q829	8-729-900-52	TRANSISTOR DTC114YK	
Q901	8-729-924-90	TRANSISTOR 2SB1370-EF	
Q904	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q905	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q906	8-729-901-46	TRANSISTOR DTA114YK	
Q907	8-729-900-52	TRANSISTOR DTC114YK	
		< RESISTOR >	
R101	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R102	1-216-064-00	METAL CHIP 4.3K 5% 1/10W	
R103	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R104	1-216-063-00	METAL CHIP 3.9K 5% 1/10W	
R105	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R106	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R107	1-216-062-00	METAL CHIP 3.6K 5% 1/10W	

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MAIN

Ref. No.	Part No.	Description				Remark
R108	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R109	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R110	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R111	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R112	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R113	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R114	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R115	1-216-064-00	METAL CHIP	4.3K	5%	1/10W	
R116	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R117	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R118	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R119	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R120	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R121	1-216-090-00	METAL CHIP	51K	5%	1/10W	
R122	1-216-009-00	METAL CHIP	22	5%	1/10W	
R123	1-216-009-00	METAL CHIP	22	5%	1/10W	
R124	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R125	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R126	1-249-381-11	CARBON	1	5%	1/4W	F
R127	1-249-381-11	CARBON	1	5%	1/4W	F
R128	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R129	1-216-082-00	METAL GLAZE	24K	5%	1/10W	
R130	1-216-013-00	METAL CHIP	33	5%	1/10W	
R131	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R132	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R133	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R134	1-216-042-00	METAL CHIP	510	5%	1/10W	
R137	1-216-295-00	METAL CHIP	0	5%	1/10W	
R139	1-216-064-00	METAL CHIP	4.3K	5%	1/10W	
R140	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R141	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R201	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R202	1-216-064-00	METAL CHIP	4.3K	5%	1/10W	
R203	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R204	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R205	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R206	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R207	1-216-062-00	METAL CHIP	3.6K	5%	1/10W	
R208	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R209	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R210	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R211	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R212	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R213	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R214	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R215	1-216-064-00	METAL CHIP	4.3K	5%	1/10W	
R216	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R217	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R218	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R219	1-216-099-00	METAL CHIP	120K	5%	1/10W	
R220	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R221	1-216-090-00	METAL CHIP	51K	5%	1/10W	
R222	1-216-009-00	METAL CHIP	22	5%	1/10W	
R223	1-216-009-00	METAL CHIP	22	5%	1/10W	
R224	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R225	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R226	1-249-381-11	CARBON	1	5%	1/4W	F
R227	1-249-381-11	CARBON	1	5%	1/4W	F
R228	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R229	1-216-082-00	METAL GLAZE	24K	5%	1/10W	
R230	1-216-013-00	METAL CHIP	33	5%	1/10W	
R231	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R232	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R233	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R234	1-216-042-00	METAL CHIP	510	5%	1/10W	
R237	1-216-295-00	METAL CHIP	0	5%	1/10W	
R239	1-216-064-00	METAL CHIP	4.3K	5%	1/10W	
R240	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R241	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R301	1-216-025-00	METAL CHIP	100	5%	1/10W	
R302	1-216-025-00	METAL CHIP	100	5%	1/10W	
R303	1-216-025-00	METAL CHIP	100	5%	1/10W	
R304	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R305	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R307	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R308	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R309	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R310	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R311	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R312	1-216-025-00	METAL CHIP	100	5%	1/10W	
R314	1-216-025-00	METAL CHIP	100	5%	1/10W	
R316	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R317	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R318	1-216-295-00	METAL CHIP	0	5%	1/10W	
R319	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R320	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R324	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R325	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R330	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R331	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R801	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R802	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R803	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R804	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R805	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R806	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R807	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R808	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R812	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R813	1-216-073-00	METAL CHIP	10K	5%	1/10W	

Ref. No.	Part No.	Description	Remark
R814	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R815	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R816	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R817	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R818	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R819	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R820	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R821	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R822	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R823	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R824	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R825	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R826	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R827	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R828	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R829	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R830	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R831	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R832	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R833	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R834	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R835	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R836	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R837	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R838	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R839	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R840	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R841	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R842	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R843	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R844	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R845	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R846	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R847	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R848	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R849	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R850	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R851	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R852	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R853	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R854	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R855	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R856	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R857	1-216-097-00	METAL CHIP 100K 5% 1/10W	(AEP, UK, G, IT)
R858	1-216-097-00	METAL CHIP 100K 5% 1/10W	(AEP, UK, G, IT)
R859	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R861	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R862	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R863	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R864	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R865	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R866	1-216-025-00	METAL CHIP 100 5% 1/10W	
R867	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R868	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R869	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R870	1-216-634-11	METAL CHIP 200 0.5% 1/10W	
R871	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
R872	1-216-637-11	METAL CHIP 270 0.5% 1/10W	
R873	1-216-639-11	METAL CHIP 330 0.5% 1/10W	
R874	1-216-642-11	METAL CHIP 430 0.5% 1/10W	
R875	1-216-644-11	METAL CHIP 510 0.5% 1/10W	
R876	1-216-646-11	METAL CHIP 620 0.5% 1/10W	
R877	1-216-295-00	METAL CHIP 0 5% 1/10W	
R879	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R881	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
R882	1-216-637-11	METAL CHIP 270 0.5% 1/10W	
R883	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R884	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R885	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R886	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R887	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R888	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R889	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R890	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R891	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R892	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R893	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R894	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R895	1-216-295-00	METAL CHIP 0 5% 1/10W	(US, Canadian)
R896	1-216-295-00	METAL CHIP 0 5% 1/10W	(US, Canadian)
R901	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R904	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R905	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R906	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R907	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R908	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R909	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R910	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R911	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R912	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R913	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R914	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R915	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R916	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R917	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R919	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R920	1-216-105-00	METAL CHIP 220K 5% 1/10W	

MAIN | MD POWER | POWER SW | RADIO

Ref. No.	Part No.	Description				Remark
R921	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R922	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R923	1-216-097-00	METAL CHIP	100K	5%	1/10W	
		< TRANSFORMER >				
⚠T903	1-450-126-11	TRANSFORMER, DC-DC CONVERTER				
		< VIBRATOR >				
X801	1-567-098-00	OSCILLATOR, CRYSTAL (4.8MHz)				
X802	1-579-901-11	OSCILLATOR, CERAMIC (32.76kHz)				

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Ref. No.	Part No.	Description				Remark
*	1-648-327-11	MD POWER BOARD **************				
		< DIODE >				
D902	8-719-974-59	DIODE 1SR139-100				
		< IC >				
IC904	8-759-231-53	IC M5F7805				
		< LINE FILTER >				
LF902	1-402-951-11	COIL, LINE FILTER				

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Ref. No.	Part No.	Description				Remark
*	1-648-325-11	POWER SW BOARD **************				
		< DIODE >				
D910	8-719-400-18	DIODE MA152WK				
		< TRANSISTOR >				
Q908	8-729-901-46	TRANSISTOR DTA114YK				
Q909	8-729-900-52	TRANSISTOR DTC114YK				

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Ref. No.	Part No.	Description				Remark
*	A-3264-583-A	RADIO BOARD, COMPLETE (AEP, UK, G, IT) ***********************************				
*	A-3264-785-A	RADIO BOARD, COMPLETE (US, Canadian) ***********************************				
		< CAPACITOR >				
C1	1-102-945-00	CERAMIC	8.0PF	+-0.5PF	50V	
C2	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C3	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C4	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C5	1-163-088-00	CERAMIC CHIP	5PF		50V	
C6	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C7	1-163-087-00	CERAMIC CHIP	4PF		50V	
C8	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C9	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C10	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C11	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C12	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	
C13	1-124-126-00	ELECT	47uF	20%	10V	
C14	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V	
C15	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V	
C16	1-124-903-11	ELECT	1uF	20%	50V	
C17	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V	
C18	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C19	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C20	1-124-903-11	ELECT	1uF	20%	50V	
C21	1-124-907-11	ELECT	10uF	20%	50V	
C22	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	
C23	1-124-443-00	ELECT	100uF	20%	10V	
C24	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C25	1-102-824-00	CERAMIC	470PF	5%	50V	
C26	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C27	1-161-021-11	CERAMIC	0.047uF	10%	25V	
C28	1-164-096-11	CERAMIC	0.01uF		50V	
C29	1-164-088-11	CERAMIC	0.001uF		50V	
C30	1-102-951-00	CERAMIC	15PF	5%	50V	
C31	1-162-827-11	CERAMIC	0.001uF	10%	16V	
C32	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C33	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C34	1-163-099-00	CERAMIC CHIP	18PF	5%	50V	
C35	1-163-099-00	CERAMIC CHIP	18PF	5%	50V	
C36	1-124-907-11	ELECT	10uF	20%	50V	
C37	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C38	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C39	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C40	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C41	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C42	1-136-177-00	FILM	1uF	5%	50V	
C43	1-130-483-00	MYLAR	0.01uF	5%	50V	
C44	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C45	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C48	1-162-839-11	CERAMIC	0.01uF	10%	16V	
C49	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C50	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V	
C51	1-124-902-00	ELECT	0.47uF	20%	50V	
C52	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V	
C53	1-124-902-00	ELECT	0.47uF	20%	50V	
C54	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C55	1-124-907-11	ELECT	10uF	20%	50V	
C68	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C69	1-124-927-11	ELECT	4.7uF	20%	100V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remark
C70	1-124-903-11	ELECT	1uF	20%	50V	
C71	1-124-443-00	ELECT	100uF	20%	10V	
C72	1-124-907-11	ELECT	10uF	20%	50V	
C73	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C74	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C77	1-163-109-00	CERAMIC CHIP	47PF	5%	50V	
C78	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C79	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C81	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C82	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C83	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V	
C84	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
		< FILTER >				
CF1	1-578-781-11	FILTER, CERAMIC (US, Canadian)				
CF2	1-578-781-11	FILTER, CERAMIC (US, Canadian)				
CF3	1-578-781-11	FILTER, CERAMIC (US, Canadian)				
CF4	1-578-779-21	VIBRATOR, CERAMIC				
		< COMPOSITION CIRCUIT BLOCK >				
CFT1	1-239-173-11	ENCAPSULATED COMPONENT				
		< CONNECTOR >				
* CN1	1-569-934-11	SOCKET, CONNECTOR 17P				
		< TRIMMER >				
CT1	1-141-411-11	CAP, ADJ 20PF				
CT2	1-141-411-11	CAP, ADJ 20PF				
		< DIODE >				
D1	8-719-800-76	DIODE	1SS226			
D2	8-719-026-23	DIODE	MA786			
D5	8-719-980-71	DIODE	SVC342L-V			
D7	8-713-300-57	DIODE	1T33			
D8	8-713-300-57	DIODE	1T33			
		< FLUORESCENT INDICATOR >				
FL1	1-236-711-21	FILTER, BAND PASS				
		< IC >				
IC1	8-759-242-89	IC	TA2012N			
IC2	8-759-823-81	IC	LC7216M			
IC3	8-759-039-95	IC	TA8176SN			
		< COIL >				
L1	1-406-483-11	COIL (OSC)				
L3	1-406-770-11	COIL, RF				
L6	1-406-484-21	COIL (OSC)				
L11	1-410-977-11	INDUCTOR	100uH			
L13	1-410-971-11	INDUCTOR	10uH			
L14	1-410-971-11	INDUCTOR	10uH			
L21	1-410-204-31	INDUCTOR CHIP	10uH			
		< TRANSISTOR >				
Q1	8-729-920-38	TRANSISTOR	2SC2059K-N			
Q4	8-729-424-38	TRANSISTOR	UN2110			
Q5	8-729-900-51	TRANSISTOR	DTA114TK			
Q6	8-729-424-38	TRANSISTOR	UN2110			
Q7	8-729-920-31	TRANSISTOR	DTC343TK			
Q8	8-729-012-83	TRANSISTOR	2SK679A			
Q11	8-729-900-52	TRANSISTOR	DTC114YK			
Q13	8-729-923-73	TRANSISTOR	DTA123YK			
Q14	8-729-900-52	TRANSISTOR	DTC114YK			
Q15	8-729-923-65	TRANSISTOR	DTA143ZK			
Q16	8-729-900-52	TRANSISTOR	DTC114YK			
Q17	8-729-923-73	TRANSISTOR	DTA123YK			
Q18	8-729-421-19	TRANSISTOR	UN2213			
Q19	8-729-923-73	TRANSISTOR	DTA123YK			
Q21	8-729-920-31	TRANSISTOR	DTC343TK			
Q22	8-729-920-31	TRANSISTOR	DTC343TK			
		< RESISTOR >				
R1	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R2	1-216-021-00	METAL CHIP	68	5%	1/10W	
R3	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R4	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R5	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R6	1-216-013-00	METAL CHIP	33	5%	1/10W	
R7	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R8	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R9	1-216-035-00	METAL CHIP	270	5%	1/10W	
R10	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R11	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R12	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R13	1-249-395-11	CARBON	15	5%	1/4W	F
R14	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R15	1-216-033-00	METAL CHIP	220	5%	1/10W	
R17	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R18	1-216-027-00	METAL CHIP	120	5%	1/10W	
R19	1-216-037-00	METAL CHIP	330	5%	1/10W	
R20	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R21	1-216-021-00	METAL CHIP	68	5%	1/10W	
R22	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R23	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R24	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R25	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R26	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R27	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R28	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R29	1-216-049-00	METAL CHIP	1K	5%	1/10W	

RADIO RELAY VOLUME CLV (MD)

Ref. No.	Part No.	Description	Remark
R30	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R31	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R32	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R33	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R34	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R37	1-216-025-00	METAL CHIP 100 5% 1/10W	
R41	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R42	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R43	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R45	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R46	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R47	1-216-025-00	METAL CHIP 100 5% 1/10W	
R48	1-216-017-00	METAL CHIP 47 5% 1/10W	
R51	1-216-025-00	METAL CHIP 100 5% 1/10W	
R52	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R53	1-216-295-00	METAL CHIP 0 5% 1/10W	
		< TRANSFORMER >	
T1	1-416-015-21	TRANSFORMER, IF	
		< TEST PIN >	
TP1	1-536-354-00	POST PIN (US, Canadian)	
		< VIBRATOR >	
X1	1-579-574-21	VIBRATOR, CRYSTAL (7.2MHz)	

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Ref. No.	Part No.	Description	Remark
*	1-647-781-21	RELAY BOARD, COMPLETE *********************	
		< CONNECTOR >	
* CN551	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
* CN552	1-569-900-11	SOCKET, CONNECTOR 4P	

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Ref. No.	Part No.	Description	Remark
*	1-649-640-11	VOLUME BOARD ************	
		< CAPACITOR >	
C401	1-124-584-00	ELECT 100uF 20% 10V	
C402	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C403	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
		< CONNECTOR >	
* CN401	1-564-712-11	PIN, CONNECTOR (SMALL TYPE)10P	
		< IC >	
IC401	8-759-962-08	IC BA6208	

Ref. No.	Part No.	Description	Remark
		< COIL >	
L401	1-408-080-00	INDUCTOR 100uH	
L402	1-408-080-00	INDUCTOR 100uH	
L403	1-408-080-00	INDUCTOR 100uH	
		< VARIABLE RESISTOR >	
RV301	1-241-840-11	RES, VAR, CARBON 20K (VOLUME)	

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Ref. No.	Part No.	Description	Remark
	A-3275-714-A	CLV BOARD, (MD) COMPLETE ************************	
	1-645-921-11	CLV FLEXIBLE BOARD	
	1-649-066-11	RELAY (B) FLEXIBLE BOARD	
	3-831-441-11	CUSHION (B)	
		< CAPACITOR >	
C701	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C702	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C703	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C704	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C705	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C706	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C707	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C708	1-162-967-11	CERAMIC CHIP 0.0033uF 10% 50V	
C709	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C710	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C711	1-164-360-11	CERAMIC CHIP 0.1uF 16V	
		< CONNECTOR >	
CN701	1-573-355-11	CONNECTOR, FFC/FPC 15P	
CN702	1-573-347-11	CONNECTOR, FFC/FPC 7P	
		< IC >	
IC701	8-759-098-52	IC CXA-8027N-ELL2000	
		< RESISTOR >	
R701	1-218-716-11	METAL CHIP 10K 0.50% 1/16W	
R702	1-218-716-11	METAL CHIP 10K 0.50% 1/16W	
R703	1-216-815-11	METAL CHIP 330 5% 1/16W	
R704	1-217-671-11	METAL CHIP 1 5% 1/10W	
R705	1-217-671-11	METAL CHIP 1 5% 1/10W	
R706	1-216-827-11	METAL CHIP 3.3K 5% 1/16W	
R707	1-216-857-11	METAL CHIP 1M 5% 1/16W	
		< SWITCH >	
S701	1-692-363-11	SWITCH, PUSH (1 KEY) (DISCPRO)	
S702	1-692-273-11	SWITCH, PUSH (1 KEY) (RFLCT)	
S703	1-572-467-31	SWITCH, PUSH (1 KEY) (LS)	

Ref. No.	Part No.	Description	Remark
**			
*	A-3275-715-A	CONTROL BOARD, (MD) COMPLETE ****************************	
		< CAPACITOR >	
C102	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C103	1-135-180-21	TANTALUM CHIP 3.3uF 20% 6.3V	
C104	1-104-630-11	TANTAL. CHIP 33uF 20% 6.3V	
C105	1-162-957-11	CERAMIC CHIP 220PF 5% 50V	
C106	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C107	1-162-952-11	CERAMIC CHIP 82PF 5% 50V	
C109	1-135-180-21	TANTALUM CHIP 3.3uF 20% 6.3V	
C202	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C203	1-135-180-21	TANTALUM CHIP 3.3uF 20% 6.3V	
C204	1-104-630-11	TANTAL. CHIP 33uF 20% 6.3V	
C205	1-162-957-11	CERAMIC CHIP 220PF 5% 50V	
C206	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C207	1-162-952-11	CERAMIC CHIP 82PF 5% 50V	
C209	1-135-180-21	TANTALUM CHIP 3.3uF 20% 6.3V	
C301	1-135-263-21	TANTAL. CHIP 10uF 20% 10V	
C303	1-135-232-11	TANTAL. CHIP 10uF 20% 16V	
C357	1-135-263-21	TANTAL. CHIP 10uF 20% 10V	
C358	1-135-263-21	TANTAL. CHIP 10uF 20% 10V	
C813	1-164-346-11	CERAMIC CHIP 1uF 16V	
C901	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C902	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C903	1-104-611-11	CAP, CHIP MICA 1500PF	
C904	1-135-265-21	TANTAL. CHIP 33uF 20% 10V	
C905	1-164-336-11	CERAMIC CHIP 0.33uF 25V	
C906	1-135-149-21	TANTALUM CHIP 2.2uF 20% 10V	
C907	1-135-070-00	TANTALUM CHIP 0.1uF 10% 35V	
C908	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C909	1-135-240-21	TANTAL. CHIP 47uF 20% 10V	
C910	1-162-967-11	CERAMIC CHIP 0.0033uF 10% 50V	
C911	1-164-336-11	CERAMIC CHIP 0.33uF 25V	
C912	1-135-240-21	TANTAL. CHIP 47uF 20% 10V	
C913	1-162-965-11	CERAMIC CHIP 0.0015uF 10% 50V	
C914	1-162-967-11	CERAMIC CHIP 0.0033uF 10% 50V	
C915	1-135-240-21	TANTAL. CHIP 47uF 20% 10V	
C5029	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
		< CONNECTOR >	
CN302	1-573-915-11	CONNECTOR, FFC/FPC (ZIF) 6P	
CN303	1-580-056-21	PIN, CONNECTOR 3P	
CN801	1-573-915-11	CONNECTOR, FFC/FPC (ZIF) 6P	
CN802	1-566-532-11	CONNECTOR, FPC (ZIF) 16P	
CN803	1-573-916-11	CONNECTOR, FFC/FPC (ZIF) 7P	
CN804	1-573-370-21	CONNECTOR, FFC/FPC 30P	
CN901	1-573-346-21	CONNECTOR, FFC/FPC 6P	
* CN902	1-580-055-21	PIN, CONNECTOR 2P	
		< DIODE >	
D101	8-719-017-58	DIODE MA8068	
D201	8-719-017-58	DIODE MA8068	
D901	8-719-210-56	DIODE EC10QS10	
D902	8-719-210-56	DIODE EC10QS10	
D903	8-719-210-56	DIODE EC10QS10	
D904	8-719-210-56	DIODE EC10QS10	
D905	8-719-210-56	DIODE EC10QS10	
D906	8-719-210-56	DIODE EC10QS10	
D907	8-719-975-33	DIODE RB110C	
		< IC >	
IC301	8-759-700-62	IC NJM4562D	
IC901	8-759-095-65	IC TC74ACT540FS	
IC902	8-759-095-67	IC TC74ACT541FS	
IC904	8-759-521-35	IC TL5001CD	
IC905	8-759-031-84	IC SC7S04F	
		< COIL >	
L901	1-402-831-21	COIL, CHOKE 68uH	
		< LINE FILTER >	
LF303	1-402-984-11	FILTER, COMMON MODE	
		< TRANSISTOR >	
Q104	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q204	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q308	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q512	8-729-922-10	TRANSISTOR 2SA1577-QR	
Q901	8-729-018-75	TRANSISTOR 2SJ278MYTR	
Q902	8-729-018-75	TRANSISTOR 2SJ278MYTR	
Q903	8-729-017-65	TRANSISTOR 2SK1764KYTR	
Q904	8-729-017-65	TRANSISTOR 2SK1764KYTR	
Q905	8-729-923-45	TRANSISTOR 2SB1308-QR	
Q906	8-729-425-18	TRANSISTOR XN4504	
Q907	8-729-920-XX	TRANSISTOR DTA114EU	
Q908	8-729-907-00	TRANSISTOR DTC114EU	
		< RESISTOR >	
R105	1-216-795-11	METAL CHIP 6.8K 0.50% 1/16W	
R107	1-218-883-11	METAL CHIP 33K 0.50% 1/16W	
R108	1-218-727-11	METAL CHIP 30K 0.50% 1/16W	
R109	1-218-698-11	METAL CHIP 1.8K 0.50% 1/16W	
R110	1-216-812-11	METAL CHIP 180 5% 1/16W	
R111	1-216-857-11	METAL CHIP 1M 5% 1/16W	
R141	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R155	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R161	1-216-817-11	METAL CHIP 470 5% 1/16W	
R205	1-216-795-11	METAL CHIP 6.8K 0.50% 1/16W	

CONTROL (MD) MAIN (MD)

Ref.No.	Part No.	Description	Remark
R207	1-218-883-11	METAL CHIP 33K 0.50% 1/16W	
R208	1-218-727-11	METAL CHIP 30K 0.50% 1/16W	
R209	1-218-698-11	METAL CHIP 1.8K 0.50% 1/16W	
R210	1-216-812-11	METAL CHIP 180 5% 1/16W	
R211	1-216-857-11	METAL CHIP 1M 5% 1/16W	
R241	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R255	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R261	1-216-817-11	METAL CHIP 470 5% 1/16W	
R301	1-218-745-11	METAL CHIP 160K 0.50% 1/16W	
R302	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R368	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R831	1-216-295-00	METAL CHIP 0 5% 1/10W	
R853	1-218-725-11	METAL CHIP 24K 0.50% 1/16W	
R854	1-218-675-11	METAL CHIP 200 0.50% 1/16W	
R855	1-218-676-11	METAL CHIP 220 0.50% 1/16W	
R856	1-216-814-11	METAL CHIP 270 5% 1/16W	
R857	1-218-680-11	METAL CHIP 330 0.50% 1/16W	
R858	1-218-482-11	METAL CHIP 430 0.50% 1/16W	
R859	1-218-289-11	METAL CHIP 510 0.50% 1/16W	
R860	1-220-373-11	METAL CHIP 620 0.50% 1/16W	
R861	1-218-675-11	METAL CHIP 200 0.50% 1/16W	
R862	1-218-676-11	METAL CHIP 220 0.50% 1/16W	
R863	1-216-814-11	METAL CHIP 270 5% 1/16W	
R865	1-218-680-11	METAL CHIP 330 0.50% 1/16W	
R868	1-218-482-11	METAL CHIP 430 0.50% 1/16W	
R870	1-218-289-11	METAL CHIP 510 0.50% 1/16W	
R872	1-220-373-11	METAL CHIP 620 0.50% 1/16W	
R873	1-216-820-11	METAL CHIP 820 5% 1/16W	
R874	1-218-270-11	METAL CHIP 1.1K 0.50% 1/16W	
R875	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
R877	1-218-701-11	METAL CHIP 2.4K 0.50% 1/16W	
R878	1-218-706-11	METAL CHIP 3.9K 0.50% 1/16W	
R879	1-218-344-11	METAL CHIP 7.5K 0.50% 1/16W	
R901	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R902	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R903	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R904	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R905	1-217-806-11	METAL GLAZE 1 5% 1/8W	
R906	1-217-806-11	METAL GLAZE 1 5% 1/8W	
R907	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R908	1-216-843-11	METAL CHIP 68K 5% 1/16W	
R909	1-218-295-11	METAL GLAZE 43K 5% 1/16W	
R910	1-216-853-11	METAL CHIP 470K 5% 1/16W	
R911	1-216-829-11	METAL CHIP 4.7K 5% 1/16W	
R913	1-216-186-00	METAL GLAZE 330 5% 1/8W	
R914	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R915	1-218-344-11	METAL CHIP 7.5K 0.50% 1/16W	
R918	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R919	1-216-829-11	METAL CHIP 4.7K 5% 1/16W	

Ref.No.	Part No.	Description	Remark
		< SWITCH >	
S811	1-572-473-31	SWITCH, TACTIL (▮▮)	
S812	1-692-088-11	SWITCH, TACTIL (▲)	
S813	1-572-473-31	SWITCH, TACTIL (■)	
S814	1-572-473-31	SWITCH, TACTIL (DATE)	
S815	1-572-473-31	SWITCH, TACTIL (▶)	
S816	1-572-473-31	SWITCH, TACTIL (▶▶)	
S817	1-572-473-31	SWITCH, TACTIL (◀◀)	
S818	1-572-473-31	SWITCH, TACTIL (ENTER/REPEAT)	
S819	1-572-473-31	SWITCH, TACTIL (⏮)	
S820	1-572-473-31	SWITCH, TACTIL (⏭)	
S821	1-572-473-31	SWITCH, TACTIL (DISC NAME)	
S822	1-572-473-31	SWITCH, TACTIL (TRACK NAME)	
S823	1-572-473-31	SWITCH, TACTIL (0)	
S824	1-572-473-31	SWITCH, TACTIL (1)	
S825	1-572-473-31	SWITCH, TACTIL (2)	
S826	1-572-473-31	SWITCH, TACTIL (3)	
S827	1-572-473-31	SWITCH, TACTIL (4)	
S828	1-572-473-31	SWITCH, TACTIL (5)	
S829	1-572-473-31	SWITCH, TACTIL (6)	
S830	1-572-473-31	SWITCH, TACTIL (7)	
S831	1-572-473-31	SWITCH, TACTIL (8)	
S832	1-572-473-31	SWITCH, TACTIL (9)	

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*	A-3276-055-A	MAIN BOARD, (MD) COMPLETE **************************	
	2-123-861-01	SCREW, TAPPING, P1.7X3	
	3-831-441-XX	SPACER	
	3-831-441-11	CUSHION (B)	
	4-955-523-03	HOLDER (TERMINAL)	
	4-955-524-01	CONTACT, PLUS	
	4-955-525-01	CONTACT, MINUS	
	4-955-534-01	TERMINAL BOARD	
	4-957-306-41	CUSHION	
	9-911-841-XX	CUSHION, CASSETTE LID	
		< CAPACITOR >	
C101	1-162-953-11	CERAMIC CHIP 100PF 5% 50V	
C110	1-135-237-11	TANTAL. CHIP 2.2uF 20% 6.3V	
C112	1-135-237-11	TANTAL. CHIP 2.2uF 20% 6.3V	
C113	1-135-263-21	TANTAL. CHIP 10uF 20% 10V	
C115	1-164-473-11	CERAMIC CHIP 820PF 10% 50V	
C116	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C117	1-162-928-11	CERAMIC CHIP 120PF 5% 50V	
C118	1-162-928-11	CERAMIC CHIP 120PF 5% 50V	
C119	1-162-925-11	CERAMIC CHIP 68PF 5% 50V	
C120	1-162-925-11	CERAMIC CHIP 68PF 5% 50V	
C121	1-137-294-11	FILM CHIP 0.01uF 5% 16V	

Ref. No.	Part No.	Description				Remark
C122	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V	
C123	1-135-091-91	TANTAL. CHIP	1uF	20%	16V	
C124	1-162-953-11	CERAMIC CHIP	100PF	5%	50V	
C125	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C126	1-135-335-11	TANTAL. CHIP	100uF	20%	4V	
C127	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C128	1-135-335-11	TANTAL. CHIP	100uF	20%	4V	
C129	1-162-925-11	CERAMIC CHIP	68PF	5%	50V	
C130	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
C131	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V	
C132	1-164-346-11	CERAMIC CHIP	1uF		16V	
C134	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	
C135	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C136	1-135-237-11	TANTAL. CHIP	2.2uF	20%	6.3V	
C137	1-162-957-11	CERAMIC CHIP	220PF	5%	50V	
C138	1-162-922-11	CERAMIC CHIP	39PF	5%	50V	
C140	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C141	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C201	1-162-953-11	CERAMIC CHIP	100PF	5%	50V	
C210	1-135-237-11	TANTAL. CHIP	2.2uF	20%	6.3V	
C212	1-135-237-11	TANTAL. CHIP	2.2uF	20%	6.3V	
C215	1-164-473-11	CERAMIC CHIP	820PF	10%	50V	
C216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C217	1-162-928-11	CERAMIC CHIP	120PF	5%	50V	
C218	1-162-928-11	CERAMIC CHIP	120PF	5%	50V	
C219	1-162-925-11	CERAMIC CHIP	68PF	5%	50V	
C220	1-162-925-11	CERAMIC CHIP	68PF	5%	50V	
C221	1-137-294-11	FILM CHIP	0.01uF	5%	16V	
C222	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V	
C223	1-135-091-91	TANTAL. CHIP	1uF	20%	16V	
C224	1-162-953-11	CERAMIC CHIP	100PF	5%	50V	
C225	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C226	1-135-335-11	TANTAL. CHIP	100uF	20%	4V	
C227	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C228	1-135-335-11	TANTAL. CHIP	100uF	20%	4V	
C229	1-162-925-11	CERAMIC CHIP	68PF	5%	50V	
C230	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
C231	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V	
C232	1-164-346-11	CERAMIC CHIP	1uF		16V	
C234	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	
C235	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C236	1-135-237-11	TANTAL. CHIP	2.2uF	20%	6.3V	
C237	1-162-957-11	CERAMIC CHIP	220PF	5%	50V	
C238	1-162-922-11	CERAMIC CHIP	39PF	5%	50V	
C240	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C241	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C305	1-135-264-21	TANTAL. CHIP	22uF	20%	10V	
C306	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C308	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C309	1-135-091-91	TANTAL. CHIP	1uF	20%	16V	
C310	1-135-334-11	TANTAL. CHIP	100uF	20%	6.3V	
C311	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C312	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C313	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V	
C314	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C315	1-135-264-21	TANTAL. CHIP	22uF	20%	10V	
C316	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C317	1-135-264-21	TANTAL. CHIP	22uF	20%	10V	
C318	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C319	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C320	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C321	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V	
C322	1-104-630-11	TANTAL. CHIP	33uF	20%	6.3V	
C323	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C324	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C325	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C326	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C327	1-104-630-11	TANTAL. CHIP	33uF	20%	6.3V	
C328	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C329	1-162-953-11	CERAMIC CHIP	100PF	5%	50V	
C330	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C331	1-135-264-21	TANTAL. CHIP	22uF	20%	10V	
C332	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V	
C333	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C334	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V	
C335	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C336	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C337	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V	
C338	1-135-264-21	TANTAL. CHIP	22uF	20%	10V	
C339	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C341	1-135-264-21	TANTAL. CHIP	22uF	20%	10V	
C342	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C343	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C344	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C345	1-135-240-21	TANTAL. CHIP	47uF	20%	10V	
C346	1-135-264-21	TANTAL. CHIP	22uF	20%	10V	
C347	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V	
C350	1-164-361-11	CERAMIC CHIP	0.047uF		16V	
C351	1-104-630-11	TANTAL. CHIP	33uF	20%	6.3V	
C354	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C356	1-164-361-11	CERAMIC CHIP	0.047uF		16V	
C359	1-164-505-11	CERAMIC CHIP	2.2uF		16V	
C360	1-164-505-11	CERAMIC CHIP	2.2uF		16V	
C361	1-164-361-11	CERAMIC CHIP	0.047uF		16V	
C362	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C363	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C364	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C366	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C426	1-135-263-21	TANTAL. CHIP	10uF	20%	10V	
C470	1-164-505-11	CERAMIC CHIP	2.2uF		16V	

MAIN (MD)

Ref. No.	Part No.	Description			Remark
C471	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C472	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C474	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C475	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C501	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C502	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C503	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C504	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C505	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C506	1-135-232-11	TANTAL. CHIP	10uF	20%	16V
C507	1-135-091-91	TANTAL. CHIP	1uF	20%	16V
C508	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C509	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C512	1-164-490-11	CERAMIC CHIP	0.068uF		16V
C513	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C514	1-162-958-11	CERAMIC CHIP	270PF	5%	50V
C515	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C516	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C517	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C518	1-162-958-11	CERAMIC CHIP	270PF	5%	50V
C519	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C520	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C521	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C522	1-135-073-00	TANTALUM CHIP	0.33uF	10%	35V
C523	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C524	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C525	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C526	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C527	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C529	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C530	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C531	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C532	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C533	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C534	1-164-490-11	CERAMIC CHIP	0.068uF		16V
C535	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C536	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C537	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C538	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C539	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C540	1-164-346-11	CERAMIC CHIP	1uF		16V
C541	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C542	1-164-346-11	CERAMIC CHIP	1uF		16V
C543	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C544	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C545	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C546	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C547	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C548	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C549	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C550	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C551	1-162-952-11	CERAMIC CHIP	82PF	5%	50V
C552	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C553	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C554	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C555	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C556	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C557	1-104-630-11	TANTAL. CHIP	33uF	20%	6.3V
C558	1-104-630-11	TANTAL. CHIP	33uF	20%	6.3V
C559	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C561	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C563	1-164-361-11	CERAMIC CHIP	0.047uF		16V
C564	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C565	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C567	1-164-361-11	CERAMIC CHIP	0.047uF		16V
C568	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C569	1-135-091-91	TANTAL. CHIP	1uF	20%	16V
C570	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C571	1-164-346-11	CERAMIC CHIP	1uF		16V
C572	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C573	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C574	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C578	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C579	1-135-224-11	TANTAL. CHIP	10uF	10%	25V
C580	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C581	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C582	1-135-208-11	TANTAL. CHIP	1uF	10%	10V
C583	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C584	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V
C586	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C587	1-164-346-11	CERAMIC CHIP	1uF		16V
C588	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C589	1-164-346-11	CERAMIC CHIP	1uF		16V
C590	1-164-346-11	CERAMIC CHIP	1uF		16V
C591	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C592	1-164-346-11	CERAMIC CHIP	1uF		16V
C594	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C595	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C596	1-135-208-11	TANTAL. CHIP	1uF	10%	10V
C597	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C598	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C599	1-135-232-11	TANTAL. CHIP	10uF	20%	16V
C601	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C602	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C603	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C604	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C605	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C606	1-163-115-00	CERAMIC CHIP	82PF	5%	50V

Ref. No.	Part No.	Description			Remark
C607	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C608	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C609	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C610	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C611	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C612	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C613	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C614	1-164-001-11	CERAMIC CHIP	150PF	5%	50V
C615	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C616	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C617	1-104-629-11	TANTAL. CHIP	15uF	20%	6.3V
C618	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C620	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C621	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C622	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C623	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C624	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V
C626	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C627	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C628	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C629	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C630	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C631	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C632	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C633	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C634	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C635	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C636	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C637	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C638	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C639	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C640	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C641	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C642	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C643	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C644	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C645	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C650	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C651	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C652	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C801	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C802	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C803	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C807	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C808	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C809	1-135-264-21	TANTAL. CHIP	22uF	20%	10V
C810	1-164-346-11	CERAMIC CHIP	1uF		16V
C811	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C812	1-164-346-11	CERAMIC CHIP	1uF		16V
C814	1-164-346-11	CERAMIC CHIP	1uF		16V

Ref. No.	Part No.	Description			Remark
C816	1-135-334-11	TANTAL. CHIP	100uF	20%	6.3V
C817	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C818	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C819	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C820	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C821	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C822	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C824	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C825	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C826	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C827	1-164-346-11	CERAMIC CHIP	1uF		16V
C828	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C829	1-135-263-21	TANTAL. CHIP	10uF	20%	10V
C830	1-164-346-11	CERAMIC CHIP	1uF		16V
C831	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C832	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C833	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C5001	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C5012	1-164-346-11	CERAMIC CHIP	1uF		16V
C5013	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C5014	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C5015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5016	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C5017	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C5018	1-135-334-11	TANTAL. CHIP	100uF	20%	6.3V
C5019	1-135-334-11	TANTAL. CHIP	100uF	20%	6.3V
C5020	1-135-334-11	TANTAL. CHIP	100uF	20%	6.3V
C5022	1-164-363-11	CERAMIC CHIP	560PF	5%	50V
C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5025	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5026	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C5027	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C5028	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C5030	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C5031	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C5032	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C5033	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C5034	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5035	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5036	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5037	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C5038	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5039	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5040	1-164-336-11	CERAMIC CHIP	0.33uF		25V
C5041	1-164-336-11	CERAMIC CHIP	0.33uF		25V
C5044	1-164-336-11	CERAMIC CHIP	0.33uF		25V
C5045	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C5046	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5047	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5048	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

MAIN (MD)

Ref. No.	Part No.	Description	Remark
C5049	1-135-232-11	TANTAL. CHIP 10uF 20% 16V	
C5050	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C5051	1-135-264-21	TANTAL. CHIP 22uF 20% 10V	
C5052	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C5053	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C5054	1-164-360-11	CERAMIC CHIP 0.1uF 16V	
C5055	1-135-091-91	TANTAL. CHIP 1uF 20% 16V	
C5056	1-162-969-11	CERAMIC CHIP 0.0068uF 10% 25V	
C5057	1-135-237-11	TANTAL. CHIP 2.2uF 20% 6.3V	
C5058	1-135-264-21	TANTAL. CHIP 22uF 20% 10V	
C5059	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C8023	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	

< CONNECTOR >

Ref. No.	Part No.	Description	Remark
CN401	1-573-315-21	CONNECTOR, BOARD TO BOARD 30P	
CN501	1-573-927-11	CONNECTOR, FFC/FPC (ZIF) 18P	
CN502	1-573-355-11	CONNECTOR, FFC/FPC 15P	
CN503	1-573-346-21	CONNECTOR, FFC/FPC 6P	
CN602	1-573-346-21	CONNECTOR, FFC/FPC 6P	
CN801	1-573-370-21	CONNECTOR, FFC/FPC 30P	

< DIODE >

Ref. No.	Part No.	Description	Remark
D301	8-719-941-23	DIODE DA204U	
D304	8-719-404-46	DIODE MA110	
D305	8-719-404-46	DIODE MA110	
D307	8-719-941-86	DIODE DAN202U	
D310	8-719-404-46	DIODE MA110	
D311	8-719-941-09	DIODE DAP202U	
D401	8-719-974-51	DIODE SB20-03P	
D406	8-719-941-86	DIODE DAN202U	
D420	8-719-106-88	DIODE RD15M-B1	
D421	8-719-106-88	DIODE RD15M-B1	
D422	8-719-106-88	DIODE RD15M	
D423	8-719-106-88	DIODE RD15M	
D424	8-719-404-46	DIODE MA110	
D502	8-719-420-51	DIODE MA729	
D503	8-719-938-78	DIODE SB10-05PCP	
D504	8-719-023-69	DIODE SB007T03Q	
D505	8-719-031-17	DIODE SB007-03Q-TL	
D506	8-719-941-23	DIODE DA204U	
D507	8-719-420-51	DIODE MA729	
D508	8-719-404-46	DIODE MA110	
D509	8-719-404-46	DIODE MA110	
D511	8-719-404-46	DIODE MA110	
D512	8-719-404-46	DIODE MA110	
D515	8-719-941-23	DIODE DA204U	
D601	8-719-981-25	DIODE KV1450	
D602	8-719-981-25	DIODE KV1450	
D803	8-719-941-09	DIODE DAP202U	
D804	8-719-941-86	DIODE DAN202U	
D806	8-719-420-51	DIODE MA729	
D807	8-719-938-75	DIODE SB05-05CP	
D808	8-719-938-75	DIODE SB05-05CP	
D809	8-719-421-27	DIODE MA728	
D810	8-719-420-51	DIODE MA729	
D811	8-719-420-51	DIODE MA729	
D812	8-719-941-23	DIODE DA204U	

< FERRITE BEAD >

Ref. No.	Part No.	Description	Remark
FB103	1-543-949-11	BEAD, FERRITE (CHIP)	
FB104	1-543-949-11	BEAD, FERRITE (CHIP)	
FB203	1-543-949-11	BEAD, FERRITE (CHIP)	
FB204	1-543-949-11	BEAD, FERRITE (CHIP)	
FB301	1-543-949-11	BEAD, FERRITE (CHIP)	
FB302	1-543-949-11	BEAD, FERRITE (CHIP)	
FB303	1-543-949-11	BEAD, FERRITE (CHIP)	
FB304	1-543-949-11	BEAD, FERRITE (CHIP)	
FB307	1-543-949-11	BEAD, FERRITE (CHIP)	
FB308	1-543-949-11	BEAD, FERRITE (CHIP)	
FB310	1-543-948-11	BEAD, FERRITE (CHIP)	
FB313	1-543-949-11	BEAD, FERRITE (CHIP)	
FB314	1-543-949-11	BEAD, FERRITE (CHIP)	
FB501	1-543-949-11	BEAD, FERRITE (CHIP)	
FB603	1-543-949-11	BEAD, FERRITE (CHIP)	
FB604	1-543-954-21	BEAD, FERRITE (CHIP)	
FB606	1-543-949-11	BEAD, FERRITE (CHIP)	
FB607	1-543-949-11	BEAD, FERRITE (CHIP)	
FB608	1-543-949-11	BEAD, FERRITE (CHIP)	
FB609	1-543-949-11	BEAD, FERRITE (CHIP)	
FB610	1-543-949-11	BEAD, FERRITE (CHIP)	

< IC >

Ref. No.	Part No.	Description	Remark
IC303	8-759-085-04	IC M51132FP-E1	
IC304	8-759-103-25	IC uPD4053BG	
IC305	8-759-080-34	IC TA75W01FU-TE12R	
IC306	8-759-080-34	IC TA75W01FU-TE12R	
IC307	8-759-097-92	IC NJM2100V	
IC308	8-759-097-92	IC NJM2100V	
IC309	8-759-085-06	IC AK4501-VS-E1	
IC310	8-759-097-92	IC NJM2100V	
IC311	8-759-510-56	IC BA3570FS	
IC312	8-759-234-77	IC TC4S66F	
IC314	8-759-097-92	IC NJM2100V	
IC315	8-759-161-52	IC S-81250PG-PD	
IC410	8-759-161-50	IC S-81240PG-PJ	
IC501	8-752-064-34	IC CXA1381R	
IC502	8-752-064-33	IC CXA1380N	
IC503	8-759-053-34	IC uPD74HC4053G	
IC504	8-759-053-34	IC uPD74HC4053G	
IC505	8-759-080-34	IC TA75W01FU-TE12R	

Ref. No.	Part No.	Description	Remark
IC506	8-759-035-26	IC SC7S08F	
IC507	8-752-055-94	IC CXA1602R	
		●	
IC508	8-759-053-34	IC uPD74HC4053G	
IC509	8-759-084-72	IC MPC1718FU	
IC510	8-759-031-84	IC SC7S04F	
IC511	8-759-710-79	IC NJM2107F	
IC512	8-759-710-79	IC NJM2107F	
IC513	8-759-234-77	IC TC4S66F	
IC514	8-759-087-73	IC S-80745AN-D9	
IC515	8-759-234-20	IC TC7S08F	
IC516	8-759-082-61	IC TC4W53FU-TE12R	
IC517	8-759-082-61	IC TC4W53FU-TE12R	
IC518	8-759-710-79	IC NJM2107F	
IC519	8-759-234-77	IC TC4S66F	
IC520	8-759-710-79	IC NJM2107F	
IC521	8-759-157-68	IC PGLAD-048-ELL2000	
IC522	8-759-082-61	IC TC4W53FU-TE12R	
IC601	8-752-352-18	IC CXD2525R	
IC602	8-752-354-57	IC CXD2526Q	
IC603	8-752-356-18	IC CXD2527R-1	
IC604	8-752-355-96	IC CXD2527R	
IC605	8-752-360-59	IC CXK414400TM-12U	
IC606	8-759-082-61	IC TC4W53FU-TE12R	
IC607	8-759-710-79	IC NJM2107F	
IC608	8-759-097-92	IC NJM2100V	
IC609	8-759-083-94	IC TC7W74FU	
IC610	8-759-234-20	IC TC7S08F	
IC611	8-759-081-84	IC TC7S04F	
IC612	8-759-083-94	IC TC7W74FU	
IC613	8-759-035-93	IC SC7S32F	
IC614	8-759-035-26	IC SC7S08F	
IC615	8-759-035-93	IC SC7S32F	
IC801	8-752-844-55	IC CXP81740-603Q	
IC802	8-759-908-81	IC MB3763PF	
IC803	8-759-056-84	IC S-8420AF	
IC804	8-759-087-73	IC S-80745AN-D9	
IC805	8-759-082-57	IC TC7W04FU-TE12L	
IC806	8-759-031-84	IC SC7S04F	
IC807	8-759-161-50	IC S-81240PG-PJ	
IC808	8-759-031-84	IC SC7S04F	
		< JACK >	
J401	1-580-428-11	JACK, DC	
		< COIL >	
L101	1-412-979-21	INDUCTOR 1uH	
L201	1-412-979-21	INDUCTOR 1uH	
L301	1-412-029-11	INDUCTOR CHIP 10uH	
L302	1-412-032-11	INDUCTOR CHIP 100uH	
L303	1-412-032-11	INDUCTOR CHIP 100uH	

Ref. No.	Part No.	Description	Remark
L304	1-412-029-11	INDUCTOR CHIP 10uH	
L306	1-410-997-31	INDUCTOR CHIP 2.2uH	
L307	1-412-997-21	INDUCTOR 33uH	
L308	1-412-997-21	INDUCTOR 33uH	
L309	1-412-979-21	INDUCTOR 1uH	
L501	1-412-029-11	INDUCTOR CHIP 10uH	
L502	1-412-029-11	INDUCTOR CHIP 10uH	
L503	1-412-029-11	INDUCTOR CHIP 10uH	
L504	9-910-999-33	INDUCTOR 560UH	
L505	1-414-203-11	INDUCTOR 100uH	
L506	1-414-203-11	INDUCTOR 100uH	
L507	1-414-203-11	INDUCTOR 100uH	
L508	1-414-203-11	INDUCTOR 100uH	
L510	1-412-011-31	INDUCTOR CHIP 27uH	
L511	1-412-032-11	INDUCTOR CHIP 100uH	
L601	1-412-029-11	INDUCTOR CHIP 10uH	
L602	1-412-029-11	INDUCTOR CHIP 10uH	
L603	1-414-200-21	INDUCTOR 1uH	
L604	1-414-201-21	INDUCTOR 5.6uH	
L605	1-412-029-11	INDUCTOR CHIP 10uH	
L606	1-412-029-11	INDUCTOR CHIP 10uH	
		< LINE FILTER >	
LF301	1-402-984-11	FILTER, COMMON MODE	
LF302	1-402-984-11	FILTER, COMMON MODE	
LF304	1-402-984-11	FILTER, COMMON MODE	
LF401	1-402-951-11	COIL, LINE FILTER	
		< IC LINK >	
⚠PS401	1-533-282-21	LINK, IC	
		< TRANSISTOR >	
Q101	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q102	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q103	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q105	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q201	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q202	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q203	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q205	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q301	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q302	8-729-907-39	TRANSISTOR IMD2	
Q303	8-729-906-33	TRANSISTOR DTC114YU	
Q304	8-729-906-33	TRANSISTOR DTC114YU	
Q306	8-729-907-39	TRANSISTOR IMD2	
Q307	8-729-907-39	TRANSISTOR IMD2	
Q309	8-729-402-84	TRANSISTOR XN4601	
Q310	8-729-402-84	TRANSISTOR XN4601	
Q311	8-729-905-12	TRANSISTOR DTA144EU	
Q312	8-729-924-31	TRANSISTOR DTA114WU	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

MAIN (MD)

Ref. No.	Part No.	Description	Remark
Q401	8-729-931-42	TRANSISTOR DTC115EK	
Q402	8-729-931-42	TRANSISTOR DTC115EK	
Q409	8-729-907-00	TRANSISTOR DTC114EU	
Q445	8-729-924-31	TRANSISTOR DTA114WU-T106	
Q446	8-729-905-12	TRANSISTOR DTA144EU	
Q448	8-729-905-12	TRANSISTOR DTA144EU	
Q449	8-729-924-65	TRANSISTOR DTC123YU	
Q450	8-729-905-12	TRANSISTOR DTA144EU	
Q451	8-729-924-65	TRANSISTOR DTC123YU	
Q452	8-729-905-18	TRANSISTOR DTC144EU	
Q501	8-729-101-07	TRANSISTOR 2SB798-DL	
Q502	8-729-216-22	TRANSISTOR 2SA1162	
Q503	8-729-922-10	TRANSISTOR 2SA1577-QR	
Q508	8-729-420-74	TRANSISTOR 2SD1328-RST	
Q509	8-729-905-61	TRANSISTOR DTC124EU	
Q510	8-729-905-12	TRANSISTOR DTA144EU	
Q512	8-729-905-61	TRANSISTOR DTC124EU	
Q513	8-729-402-84	TRANSISTOR XN4601	
Q516	8-729-924-68	TRANSISTOR DTC114WU	
Q518	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q519	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q520	8-729-144-16	TRANSISTOR 2SD2228-D44D45	
Q801	8-729-905-12	TRANSISTOR DTA144EU	
Q802	8-729-906-33	TRANSISTOR DTC114YU	
Q803	8-729-905-18	TRANSISTOR DTC144EU	
Q804	8-729-922-10	TRANSISTOR 2SA1577-QR	
Q805	8-729-905-18	TRANSISTOR DTC144EU	
Q806	8-729-824-26	TRANSISTOR 2SA1338-5-TA	
Q807	8-729-905-12	TRANSISTOR DTA144EU	

< RESISTOR >

Ref. No.	Part No.	Description	Remark
R101	1-216-817-11	METAL CHIP 470 5% 1/16W	
R103	1-218-732-11	METAL CHIP 47K 0.50% 1/16W	
R104	1-216-857-11	METAL CHIP 1M 5% 1/16W	
R112	1-216-864-11	METAL GLAZE 0 5% 1/16W	
R113	1-218-738-11	METAL CHIP 82K 0.50% 1/16W	
R114	1-218-740-11	METAL CHIP 100K 0.50% 1/16W	
R115	1-218-721-11	METAL CHIP 16K 0.50% 1/16W	
R116	1-216-795-11	METAL CHIP 6.8K 0.50% 1/16W	
R117	1-218-716-11	METAL CHIP 10K 0.50% 1/16W	
R118	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R119	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R120	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R121	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R122	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R123	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R124	1-218-883-11	METAL CHIP 33K 0.50% 1/16W	
R125	1-218-883-11	METAL CHIP 33K 0.50% 1/16W	
R126	1-218-736-11	METAL CHIP 68K 0.50% 1/16W	
R127	1-218-736-11	METAL CHIP 68K 0.50% 1/16W	
R128	1-218-705-11	METAL CHIP 3.6K 0.50% 1/16W	
R129	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
R130	1-216-857-11	METAL CHIP 1M 5% 1/16W	
R131	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R132	1-216-813-11	METAL CHIP 220 5% 1/16W	
R133	1-218-708-11	METAL CHIP 4.7K 0.50% 1/16W	
R134	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R135	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R136	1-216-800-11	METAL GLAZE 18 5% 1/16W	
R137	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R138	1-216-799-11	METAL CHIP 15 5% 1/16W	
R142	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R146	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R147	1-216-815-11	METAL CHIP 330 5% 1/16W	
R149	1-218-704-11	METAL CHIP 3.3K 0.50% 1/16W	
R150	1-218-734-11	METAL CHIP 56K 0.50% 1/16W	
R156	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R157	1-218-708-11	METAL CHIP 4.7K 0.50% 1/16W	
R158	1-218-740-11	METAL CHIP 100K 0.50% 1/16W	
R159	1-218-708-11	METAL CHIP 4.7K 0.50% 1/16W	
R162	1-216-864-11	METAL GLAZE 0 5% 1/16W	
R201	1-216-817-11	METAL CHIP 470 5% 1/16W	
R203	1-218-732-11	METAL CHIP 47K 0.50% 1/16W	
R204	1-216-857-11	METAL CHIP 1M 5% 1/16W	
R212	1-216-864-11	METAL GLAZE 0 5% 1/16W	
R213	1-218-738-11	METAL CHIP 82K 0.50% 1/16W	
R214	1-218-740-11	METAL CHIP 100K 0.50% 1/16W	
R215	1-218-721-11	METAL CHIP 16K 0.50% 1/16W	
R216	1-216-795-11	METAL CHIP 6.8K 0.50% 1/16W	
R217	1-218-716-11	METAL CHIP 10K 0.50% 1/16W	
R218	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R219	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R220	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R221	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R222	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R223	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R224	1-218-883-11	METAL CHIP 33K 0.50% 1/16W	
R225	1-218-883-11	METAL CHIP 33K 0.50% 1/16W	
R226	1-218-736-11	METAL CHIP 68K 0.50% 1/16W	
R227	1-218-736-11	METAL CHIP 68K 0.50% 1/16W	
R228	1-218-705-11	METAL CHIP 3.6K 0.50% 1/16W	
R229	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
R230	1-216-857-11	METAL CHIP 1M 5% 1/16W	
R231	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R232	1-218-676-11	METAL CHIP 220 0.50% 1/16W	
R233	1-218-708-11	METAL CHIP 4.7K 0.50% 1/16W	
R234	1-218-724-11	METAL CHIP 22K 0.50% 1/16W	
R235	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R236	1-216-800-11	METAL GLAZE 18 5% 1/16W	
R237	1-216-821-11	METAL CHIP 1K 5% 1/16W	

Ref. No.	Part No.	Description				Remark
R238	1-216-799-11	METAL CHIP	15	5%	1/16W	
R242	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R246	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R247	1-216-815-11	METAL CHIP	330	5%	1/16W	
R249	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W	
R250	1-218-734-11	METAL CHIP	56K	0.50%	1/16W	
R256	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R257	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R258	1-218-740-11	METAL CHIP	100K	0.50%	1/16W	
R259	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R262	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R304	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R307	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R308	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R309	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	
R310	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R311	1-218-736-11	METAL CHIP	68K	0.50%	1/16W	
R313	1-218-723-11	METAL CHIP	20K	0.50%	1/16W	
R314	1-218-723-11	METAL CHIP	20K	0.50%	1/16W	
R315	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R316	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R318	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R319	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R320	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R321	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R322	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R323	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R324	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R325	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R330	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R332	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W	
R333	1-216-822-11	METAL CHIP	1.2K	5%	1/16W	
R334	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R338	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R339	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R340	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R341	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R342	1-216-823-11	METAL CHIP	1.5K	5%	1/16W	
R343	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R345	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R346	1-216-817-11	METAL CHIP	470	5%	1/16W	
R347	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	
R348	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R349	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R350	1-218-698-11	METAL CHIP	1.8K	0.50%	1/16W	
R351	1-218-698-11	METAL CHIP	1.8K	0.50%	1/16W	
R352	1-218-732-11	METAL CHIP	47K	0.50%	1/16W	
R353	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R354	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R356	1-216-804-11	METAL CHIP	39	5%	1/16W	
R357	1-218-740-11	METAL CHIP	100K	0.50%	1/16W	
R358	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R359	1-216-864-11	METAL CHIP	0	5%	1/16W	
R360	1-216-864-11	METAL CHIP	0	5%	1/16W	
R361	1-216-864-11	METAL CHIP	0	5%	1/16W	
R362	1-216-864-11	METAL CHIP	0	5%	1/16W	
R366	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R367	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R369	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R370	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	
R371	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R372	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R373	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R374	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R375	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R376	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R377	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R378	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R379	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R380	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R382	1-218-293-11	METAL GLAZE	24K	5%	1/16W	
R383	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R387	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R388	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R390	1-216-864-11	METAL CHIP	0	5%	1/16W	
R402	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R441	1-216-864-11	METAL CHIP	0	5%	1/16W	
R443	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R501	1-216-847-11	METAL CHIP	150K	5%	1/16W	
R502	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R503	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R504	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R505	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R506	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R507	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R508	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R509	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R510	1-216-848-11	METAL CHIP	180K	5%	1/16W	
R511	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R512	1-218-448-11	METAL GLAZE	430K	5%	1/16W	
R513	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R514	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R515	1-216-848-11	METAL CHIP	180K	5%	1/16W	
R516	1-216-844-11	METAL CHIP	82K	5%	1/16W	
R517	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R518	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	
R519	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R520	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R521	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R522	1-216-838-11	METAL CHIP	27K	5%	1/16W	

MAIN (MD)

Ref. No.	Part No.	Description				Remark
R523	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R524	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R525	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R526	1-218-738-11	METAL CHIP	82K	0.50%	1/16W	
R527	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R528	1-218-738-11	METAL CHIP	82K	0.50%	1/16W	
R529	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R530	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R533	1-216-815-11	METAL CHIP	330	5%	1/16W	
R534	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R535	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R536	1-216-001-00	METAL CHIP	10	5%	1/10W	
R538	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R539	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R540	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W	
R541	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	
R542	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	
R543	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	
R544	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	
R545	1-218-287-11	METAL GLAZE	200	5%	1/16W	
R546	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R547	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R548	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R549	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R550	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R551	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R552	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R553	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	
R554	1-218-883-11	METAL CHIP	33K	0.50%	1/16W	
R556	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R558	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R559	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R561	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R562	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R563	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	
R564	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R565	1-218-698-11	METAL CHIP	1.8K	0.50%	1/16W	
R566	1-218-883-11	METAL CHIP	33K	0.50%	1/16W	
R567	1-216-854-11	METAL CHIP	560K	5%	1/16W	
R568	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R569	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R570	1-218-736-11	METAL CHIP	68K	0.50%	1/16W	
R571	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R572	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	
R573	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	
R574	1-216-848-11	METAL CHIP	180K	5%	1/16W	
R575	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W	
R577	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R578	1-218-740-11	METAL CHIP	100K	0.50%	1/16W	
R579	1-216-795-11	METAL CHIP	6.8K	0.50%	1/16W	
R581	1-216-817-11	METAL CHIP	470	5%	1/16W	
R582	1-216-850-11	METAL CHIP	270K	5%	1/16W	
R583	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R584	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R585	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R586	1-218-732-11	METAL CHIP	47K	0.50%	1/16W	
R587	1-218-732-11	METAL CHIP	47K	0.50%	1/16W	
R588	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R589	1-216-820-11	METAL CHIP	820	5%	1/16W	
R592	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R593	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R594	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R595	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R596	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R597	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R598	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R599	1-216-827-11	METAL CHIP	3.3K	5%	1/16W	
R601	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R602	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R603	1-216-795-11	METAL CHIP	6.8K	0.50%	1/16W	
R604	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R605	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R606	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R607	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R608	1-216-795-11	METAL CHIP	6.8K	0.50%	1/16W	
R609	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R610	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R611	1-216-795-11	METAL CHIP	6.8K	0.50%	1/16W	
R612	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R613	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R614	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W	
R615	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R616	1-218-331-11	METAL GLAZE	51K	5%	1/16W	
R617	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R623	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R624	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R625	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R626	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R627	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R629	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	
R630	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R631	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R632	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R633	1-218-676-11	METAL CHIP	220	0.50%	1/16W	
R634	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R636	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R637	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R638	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R639	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R640	1-216-864-11	METAL GLAZE	0	5%	1/16W	

Ref. No.	Part No.	Description				Remark
R641	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R642	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R643	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R644	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R645	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R646	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R647	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R648	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R649	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R650	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R651	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R655	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R656	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R657	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R660	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R665	1-216-864-11	METAL CHIP	0	5%	1/16W	
R669	1-218-698-11	METAL CHIP	1. 8K	0. 50%	1/16W	
R671	1-216-809-11	METAL CHIP	100	5%	1/16W	
R802	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R803	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R811	1-216-814-11	METAL CHIP	270	5%	1/16W	
R812	1-218-676-11	METAL CHIP	220	0. 50%	1/16W	
R814	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R816	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R820	1-218-708-11	METAL CHIP	4. 7K	0. 50%	1/16W	
R821	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R824	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R825	1-218-708-11	METAL CHIP	4. 7K	0. 50%	1/16W	
R826	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R828	1-218-675-11	METAL CHIP	200	0. 50%	1/16W	
R829	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R833	1-218-708-11	METAL CHIP	4. 7K	0. 50%	1/16W	
R834	1-218-708-11	METAL CHIP	4. 7K	0. 50%	1/16W	
R835	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R836	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R837	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R839	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R840	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R841	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R842	1-218-708-11	METAL CHIP	4. 7K	0. 50%	1/16W	
R845	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R848	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R849	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R850	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R851	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R852	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R870	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R871	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R873	1-216-864-11	METAL CHIP	0	5%	1/16W	
R874	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R875	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R876	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R877	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R878	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R879	1-216-864-11	METAL CHIP	0	5%	1/16W	
R880	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R881	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R882	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R883	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R884	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R885	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R886	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R887	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R888	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R889	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R891	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R892	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R893	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R894	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R896	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R897	1-216-853-11	METAL CHIP	470K	5%	1/16W	
R898	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R899	1-216-809-11	METAL CHIP	100	5%	1/16W	
R5000	1-216-820-11	METAL CHIP	820	5%	1/16W	
R5001	1-216-864-11	METAL CHIP	0	5%	1/16W	
R5002	1-216-850-11	METAL CHIP	270K	5%	1/16W	
R5003	1-216-864-11	METAL CHIP	0	5%	1/16W	
R5005	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R5006	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R5007	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R5008	1-218-745-11	METAL CHIP	160K	0. 50%	1/16W	
R5011	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5014	1-218-708-11	METAL CHIP	4. 7K	0. 50%	1/16W	
R5015	1-218-883-11	METAL CHIP	33K	0. 50%	1/16W	
R5016	1-218-883-11	METAL CHIP	33K	0. 50%	1/16W	
R5017	1-218-736-11	METAL CHIP	68K	0. 50%	1/16W	
R5018	1-218-736-11	METAL CHIP	68K	0. 50%	1/16W	
R5020	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R5021	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R5022	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R5023	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5024	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5025	1-216-859-11	METAL GLAZE	1. 5M	5%	1/16W	
R5026	1-216-826-11	METAL CHIP	2. 7K	5%	1/16W	
R5027	1-216-832-11	METAL CHIP	8. 2K	5%	1/16W	
R5028	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5029	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5030	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5031	1-218-883-11	METAL CHIP	33K	0. 50%	1/16W	
R5032	1-218-736-11	METAL CHIP	68K	0. 50%	1/16W	

MAIN (MD)

Ref.No.	Part No.	Description				Remark
R5033	1-216-864-11	METAL CHIP	0	5%	1/16W	
R5034	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R5035	1-216-848-11	METAL CHIP	180K	5%	1/16W	
R5036	1-218-883-11	METAL CHIP	33K	0.50%	1/16W	
R5037	1-216-848-11	METAL CHIP	180K	5%	1/16W	
R5038	1-218-883-11	METAL CHIP	33K	0.50%	1/16W	
R5039	1-216-850-11	METAL CHIP	270K	5%	1/16W	
R5040	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5041	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R5042	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R5043	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5044	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5045	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5046	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5047	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5048	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5049	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5053	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5054	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5055	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	
R5056	1-216-864-11	METAL CHIP	0	5%	1/16W	
R5058	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R5059	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R5060	1-216-865-11	METAL CHIP	3K	5%	1/16W	
R5061	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5062	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5063	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R5065	1-216-836-11	METAL CHIP	18K	5%	1/16W	
R5066	1-218-883-11	METAL CHIP	33K	0.50%	1/16W	
R5067	1-218-883-11	METAL CHIP	33K	0.50%	1/16W	
R5068	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5069	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5070	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5071	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5072	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5073	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R5074	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R5075	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R5076	1-216-853-11	METAL CHIP	470K	5%	1/16W	
R5077	1-216-853-11	METAL CHIP	470K	5%	1/16W	
R5078	1-216-853-11	METAL CHIP	470K	5%	1/16W	
R5079	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	
R5080	1-218-330-11	METAL GLAZE	11K	5%	1/16W	
R5081	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	
R5082	1-216-001-00	METAL CHIP	10	5%	1/10W	
R5083	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5084	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5085	1-216-828-11	METAL CHIP	3.9K	5%	1/16W	
R5086	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5087	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5091	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R5092	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	
R5093	1-216-860-11	METAL GLAZE	1.8M	5%	1/16W	
R5096	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5097	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5098	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R5099	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5100	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5101	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R5102	1-218-736-11	METAL CHIP	68K	0.50%	1/16W	
R5105	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R5109	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5110	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R5117	1-216-834-11	METAL CHIP	12K	5%	1/16W	
R5201	1-216-809-11	METAL CHIP	100	5%	1/16W	
R5202	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R5206	1-216-295-00	METAL CHIP	0	5%	1/10W	
R5207	1-216-295-00	METAL CHIP	0	5%	1/10W	
R5208	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R5209	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R5210	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R5212	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R5213	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	
R5114	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5116	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5118	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5200	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5203	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5216	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5217	1-216-864-11	METAL GLAZE	0	5%	1/16W	
R5218	1-216-864-11	METAL CHIP	0	5%	1/16W	
R5219	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R5220	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	
R5223	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R8001	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R8002	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R8003	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R8004	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R8005	1-216-863-11	METAL GLAZE	3.3M	5%	1/16W	
R8006	1-216-853-11	METAL CHIP	470K	5%	1/16W	
R8007	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R8008	1-216-819-11	METAL CHIP	680	5%	1/16W	
R8009	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R8041	1-216-841-11	METAL CHIP	47K	5%	1/16W	
		< VARIABLE RESISTOR >				
RV501	1-238-089-11	RES, ADJ, CERMET 4.7K				
RV502	1-238-091-11	RES, ADJ, CERMET 22K				
RV503	1-238-090-11	RES, ADJ, CERMET 10K				
RV504	1-238-090-11	RES, ADJ, CERMET 10K				

POWER (MD)

Ref. No.	Part No.	Description				Remark
		< IC >				
IC401	8-759-054-95	IC	RF5C189			
IC402	8-759-990-43	IC	TL1451ACDB			
IC403	8-759-168-33	IC	S-81245PG-P5			
		< COIL >				
L401	1-410-626-11	COIL, CHOKE	47uH			
L402	1-412-039-51	INDUCTOR CHIP	100uH			
L403	1-410-626-11	COIL, CHOKE	47uH			
L404	1-410-627-11	COIL, CHOKE	100uH			
L405	1-410-627-11	COIL, CHOKE	100uH			
		< TRANSISTOR >				
Q403	8-729-923-45	TRANSISTOR	2SB1308-QR			
Q404	8-729-924-65	TRANSISTOR	DTC123YU			
Q405	8-729-923-45	TRANSISTOR	2SB1308-QR			
Q406	8-729-924-65	TRANSISTOR	DTC123YU			
Q407	8-729-923-45	TRANSISTOR	2SB1308-QR			
Q408	8-729-924-65	TRANSISTOR	DTC123YU			
Q410	8-729-923-36	TRANSISTOR	2SD1963-Q. R			
Q411	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q412	8-729-923-45	TRANSISTOR	2SB1308-QR			
Q413	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q414	8-729-905-12	TRANSISTOR	DTA144EU			
Q415	8-729-922-10	TRANSISTOR	2SA1577-QR			
Q416	8-729-905-15	TRANSISTOR	DTC144WU			
Q420	8-729-905-12	TRANSISTOR	DTA144EU			
Q421	8-729-923-45	TRANSISTOR	2SB1308-QR			
Q422	8-729-907-00	TRANSISTOR	DTC114EU			
Q423	8-729-905-12	TRANSISTOR	DTA144EU			
Q426	8-729-806-75	TRANSISTOR	2SB1120			
Q428	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q429	8-729-806-75	TRANSISTOR	2SB1120			
Q430	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q431	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q432	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q433	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q434	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q435	8-729-907-00	TRANSISTOR	DTC114EU			
Q436	8-729-117-32	TRANSISTOR	2SC4177			
		< RESISTOR >				
R401	1-216-033-00	METAL CHIP	220	5%	1/10W	
R403	1-216-815-11	METAL CHIP	330	5%	1/16W	
R404	1-216-864-11	METAL CHIP	0	5%	1/16W	
R405	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R406	1-216-823-11	METAL CHIP	1. 5K	5%	1/16W	
R407	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R408	1-216-041-00	METAL CHIP	470	5%	1/10W	
R409	1-217-671-11	METAL CHIP	1	5%	1/10W	

Ref. No.	Part No.	Description				Remark
R410	1-217-671-11	METAL CHIP	1	5%	1/10W	
R411	1-216-817-11	METAL CHIP	470	5%	1/16W	
R413	1-216-829-11	METAL CHIP	4. 7K	5%	1/16W	
R414	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R415	1-216-831-11	METAL CHIP	6. 8K	5%	1/16W	
R418	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R419	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R421	1-216-033-00	METAL CHIP	0	5%	1/16W	
R422	1-216-037-00	METAL CHIP	330	5%	1/10W	
R424	1-216-836-11	METAL CHIP	18K	5%	1/16W	
R425	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R426	1-216-825-11	METAL CHIP	2. 2K	5%	1/16W	
R427	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R428	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R429	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R430	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R431	1-217-671-11	METAL CHIP	1	5%	1/10W	
R432	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R433	1-217-671-11	METAL CHIP	1	5%	1/10W	
R434	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R435	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R436	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R437	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R438	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R439	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R440	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R442	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R443	1-216-825-11	METAL CHIP	2. 2K	5%	1/16W	
R445	1-216-815-11	METAL CHIP	330	5%	1/16W	
R446	1-216-031-00	METAL CHIP	180	5%	1/10W	
R447	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R448	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R449	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R450	1-216-828-11	METAL CHIP	3. 9K	5%	1/16W	
R451	1-216-825-11	METAL CHIP	2. 2K	5%	1/16W	
R452	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R453	1-216-857-11	METAL CHIP	1M	5%	1/16W	
R454	1-216-033-00	METAL CHIP	220	5%	1/10W	
R455	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R456	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R457	1-216-823-11	METAL CHIP	1. 5K	5%	1/16W	
R458	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R459	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R460	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R461	1-216-829-11	METAL CHIP	4. 7K	5%	1/16W	
R462	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R463	1-216-829-11	METAL CHIP	4. 7K	5%	1/16W	
R464	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R465	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R466	1-216-825-11	METAL CHIP	2. 2K	5%	1/16W	

Ref. No.	Part No.	Description	Remark
RV505	1-223-377-11	RES, ADJ, CERMET 100	
RV507	1-238-091-11	RES, ADJ, CERMET 22K	
RV508	1-238-091-11	RES, ADJ, CERMET 22K	
RV509	1-241-467-21	RES, ADJ, CERMET 100K	
RV510	1-238-089-11	RES, ADJ, CERMET 4.7K	
RV511	1-238-089-11	RES, ADJ, CERMET 4.7K	
RV512	1-238-089-11	RES, ADJ, CERMET 4.7K	
RV513	1-238-089-11	RES, ADJ, CERMET 4.7K	
RV514	1-238-091-11	RES, ADJ, CERMET 22K	
RV515	1-238-091-11	RES, ADJ, CERMET 22K	
RV516	1-238-092-11	RES, ADJ, CERMET 47K	
RV517	1-238-092-11	RES, ADJ, CERMET 47K	
RV519	1-238-091-11	RES, ADJ, CERMET 22K	
RV601	1-238-090-11	RES, ADJ, CERMET 10K	
RV602	1-238-090-11	RES, ADJ, CERMET 10K	

< SWITCH >

Ref. No.	Part No.	Description	Remark
S801	1-572-467-31	SWITCH, PUSH (1 KEY)(EDIT)	
S802	1-572-694-21	SWITCH, KEY BOARD(REFLOW TYPE)	(CLOCK SET)
S803	1-572-467-31	SWITCH, PUSH (1 KEY)(REC)	

< THERMISTOR >

Ref. No.	Part No.	Description	Remark
TH301	1-809-990-21	THERMISTOR NTH5G40B473K02TE	
TH302	1-809-990-21	THERMISTOR NTH5G40B473K02TE	
TH501	1-809-986-21	THERMISTOR NTH5G36B103K02TE	

< VIBRATOR >

Ref. No.	Part No.	Description	Remark
X601	1-579-725-21	VIBRATOR, CRYSTAL (22MHz)	
X602	1-579-847-21	OSCILLATOR, CRYSTAL (55MHz)	
X801	1-579-709-11	VIBRATOR, CRYSTAL (32kHz)	
X802	1-579-846-21	VIBRATOR, CERAMIC (12MHz)	

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Ref. No.	Part No.	Description	Remark
*	A-3275-782-A	POWER BOARD COMPLETE (MD) *************************	

< CAPACITOR >

Ref. No.	Part No.	Description	Remark
C401	1-164-346-11	CERAMIC CHIP 1uF 16V	
C405	1-162-959-11	CERAMIC CHIP 330PF 5% 50V	
C406	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C407	1-126-924-11	ELECT 330uF 20% 10V	
C408	1-164-346-11	CERAMIC CHIP 1uF 16V	
C410	1-104-813-91	TANTAL. CHIP 10uF 20% 16V	
C412	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C414	1-135-237-11	TANTAL. CHIP 2.2uF 20% 16V	
C415	1-104-813-91	TANTAL. CHIP 10uF 20% 16V	
C416	1-135-264-21	TANTAL. CHIP 22uF 20% 10V	
C418	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C421	1-164-315-11	CERAMIC CHIP 470PF 5% 50V	
C431	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C432	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C433	1-127-561-11	ELECT(SOLID) 33uF 20% 10V	
C434	1-135-149-21	TANTALUM CHIP 2.2uF 20% 10V	
C435	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C436	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C437	1-162-961-11	CERAMIC CHIP 330PF 10% 50V	
C438	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C439	1-162-961-11	CERAMIC CHIP 330PF 10% 50V	
C440	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C442	1-127-511-00	ELECT(SOLID) 6.8uF 20% 25V	
C443	1-135-149-21	TANTALUM CHIP 2.2uF 20% 10V	
C444	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C445	1-127-561-11	ELECT(SOLID) 33uF 20% 10V	
C446	1-127-561-11	ELECT(SOLID) 33uF 20% 10V	
C447	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C450	1-127-498-00	ELECT(SOLID) 15uF 20% 16V	
C452	1-127-498-00	ELECT(SOLID) 15uF 20% 16V	
C453	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C454	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C455	1-162-961-11	CERAMIC CHIP 330PF 10% 50V	
C456	1-127-561-11	ELECT(SOLID) 33uF 20% 10V	
C457	1-162-961-11	CERAMIC CHIP 330PF 10% 50V	
C458	1-163-986-00	CERAMIC CHIP 0.027uF 10% 25V	
C459	1-126-934-11	ELECT 220uF 20% 16V	
C460	1-164-505-11	CERAMIC CHIP 2.2uF 16V	
C461	1-164-505-11	CERAMIC CHIP 2.2uF 16V	

< CONNECTOR >

Ref. No.	Part No.	Description	Remark
CN402	1-573-343-21	CONNECTOR, BOARD TO BOARD 30P	
CN403	1-573-307-11	CONNECTOR, BOARD TO BOARD 14P	
CN404	1-573-335-11	CONNECTOR, BOARD TO BOARD 14P	
CN405	1-573-308-11	CONNECTOR, BOARD TO BOARD 16P	
CN406	1-573-336-11	CONNECTOR, BOARD TO BOARD 16P	

< DIODE >

Ref. No.	Part No.	Description	Remark
D402	8-719-106-16	DIODE RD6.8M-B1	
D404	8-719-991-65	DIODE SB02W03C	
D405	8-719-974-51	DIODE SB20-03P	
D407	8-719-974-51	DIODE SB20-03P	
D410	8-719-988-78	DIODE SB007W03Q	
D411	8-719-975-33	DIODE RB110C	
D412	8-719-975-33	DIODE RB110C	
D413	8-719-975-33	DIODE RB110C	
D414	8-719-404-46	DIODE MA110	
D415	8-719-975-33	DIODE RB110C	
D416	8-719-975-33	DIODE RB110C	
D417	8-719-975-33	DIODE RB110C	
D418	8-719-023-69	DIODE SB007T03Q	
D419	8-719-106-16	DIODE RD6.8M-B1	

Ref. No.	Part No.	Description	Remark
R467	1-216-031-00	METAL CHIP 180 5% 1/10W	
R468	1-216-836-11	METAL CHIP 18K 5% 1/16W	
R469	1-216-857-11	METAL CHIP 1M 5% 1/16W	
R470	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R471	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R472	1-216-864-11	METAL CHIP 0 5% 1/16W	
R473	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R474	1-216-864-11	METAL CHIP 0 5% 1/16W	
R476	1-216-799-11	METAL CHIP 15 5% 1/16W	
R477	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R478	1-216-841-11	METAL CHIP 47K 5% 1/16W	
R479	1-216-841-11	METAL CHIP 47K 5% 1/16W	
R481	1-216-828-11	METAL CHIP 3.9K 5% 1/16W	

< VARIABLE RESISTOR >

Ref. No.	Part No.	Description	Remark
RV401	1-238-089-11	RES, ADJ, CERMET 4.7K	
RV402	1-238-088-11	RES, ADJ, CERMET 2.2K	
RV403	1-238-089-11	RES, ADJ, CERMET 4.7K	
RV405	1-238-090-11	RES, ADJ, CERMET 10K	
RV406	1-238-090-11	RES, ADJ, CERMET 10K	

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* 1-648-595-12 PTOC BOARD

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< CAPACITOR >

Ref. No.	Part No.	Description	Remark
C691	1-135-264-21	TANTALUM CHIP 22uF 20% 10V	
C692	1-135-181-21	TANTALUM CHIP 4.7uF 20% 6.3V	
C693	1-135-181-21	TANTALUM CHIP 4.7uF 20% 6.3V	

< DIODE >

Ref. No.	Part No.	Description	Remark
D691	8-719-941-09	DIODE DAP202U	
D692	8-719-404-46	DIODE MA110	
D693	8-719-404-46	DIODE MA110	

< IC >

Ref. No.	Part No.	Description	Remark
IC691	8-759-035-90	IC SC7S02F	
IC692	8-759-082-57	IC TC7W04FU	

< RESISTOR >

Ref. No.	Part No.	Description	Remark
R691	1-216-849-11	METAL CHIP 220K 5% 1/16W	
R692	1-216-849-11	METAL CHIP 220K 5% 1/16W	
R693	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R694	1-216-845-11	METAL CHIP 100K 5% 1/16W	

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MISCELLANEOUS

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Ref. No.	Part No.	Description	Remark
2	1-466-988-11	SWITCH UNIT	
7	1-452-419-21	MAGNET	
67	1-751-129-11	WIRE, PARALLEL (FFC) (17 CORE)	
152	1-645-919-11	RELAY (A) FLEXIBLE BOARD	
161	1-466-923-11	SWITCH UNIT (MIC)	
⚠215	A-3263-173-A	OP BLOCK ASSY (KMS-130B)	
230	1-466-925-11	SWITCH UNIT (DETECTION)	
ANT1	1-501-530-11	ANTENNA, TELESCOPIC	
⚠F901	1-532-506-51	FUSE (T6.3A) (AEP, UK, G, IT)	
⚠F901	1-576-193-11	FUSE (6.3A) (US, Canadian)	
⚠F902	1-576-104-11	FUSE (2A) (US, Canadian)	
⚠T901	1-423-772-11	TRANSFORMER, POWER (US, Canadian)	
⚠T901	1-697-020-11	TRANSFORMER, POWER (UK)	
⚠T901	1-697-021-11	TRANSFORMER, POWER (AEP, G, IT)	
M701	1-698-007-12	MOTOR (SPINDLE)	
M702	1-698-008-11	MOTOR, DC (SLED)	
M703	1-698-035-11	MOTOR, DC (LOADING)	
SP101	1-504-415-11	SPEAKER (L-CH) (AEP, UK, G, IT)	
SP101	1-544-653-11	SPEAKER (8CM) (L-CH) (US, Canadian)	
SP201	1-504-415-11	SPEAKER (R-CH) (AEP, UK, G, IT)	
SP201	1-544-653-11	SPEAKER (8CM) (R-CH) (US, Canadian)	

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ACCESSORIES & PACKING MATERIALS

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Ref. No.	Part No.	Description	Remark
	1-501-567-21	ANTENNA, LOOP (LW/MW/SW)	
⚠	1-575-131-11	CORD, POWER (AEP, G, IT)	
⚠	1-590-147-11	CORD, POWER (Canadian)	
⚠	1-690-952-11	CORD, POWER (US)	
⚠	1-751-214-11	CORD, POWER (UK)	
	3-334-173-01	SHEET, PROTECTION	
*	3-388-638-01	CUSHION (A)	
*	3-388-639-01	CUSHION (B)	
	3-756-238-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH) (AEP, UK, G)	
	3-756-238-21	MANUAL, INSTRUCTION (ENGLISH) (US, Canadian)	
	3-756-238-31	MANUAL, INSTRUCTION (FRENCH) (Canadian)	
	3-756-238-41	MANUAL, INSTRUCTION (DUTCH, SWEDISH, ITALIAN, PORTUGUESE) (AEP, IT)	
*	3-905-201-01	INDIVIDUAL CARTON	
*	4-941-548-01	LABEL, CLASS (1) (AEP, UK, G, IT)	
	8-916-736-90	REMOTE COMMANDER RMT-CM1/1 SET (US, Canadian)	
	8-916-736-95	REMOTE COMMANDER RMT-CM1/2 SET (AEP, UK, G, IT)	

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The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
		*******************	
		HARDWARE LIST	
		*******************	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
#3	7-621-775-20	SCREW +BVTT 2.6X5 (S)	
#4	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
#5	7-682-903-19	SCREW +PWH 3X6	
#6	7-685-903-21	SCREW +PWH 3X8	
#7	7-627-852-37	PRECISION SCREW +P1.7X1.8TYPE3	
#8	7-685-850-04	SCREW +BVTT 2X3 (S)	
#9	7-685-870-04	SCREW +BVTT 3X5 (S)	
#10	7-623-422-07	LW 3, TYPE B	
#11	7-682-547-09	SCREW +BVTT 3X6 (S) (AEP, UK, G, IT)	
#12	7-685-861-01	SCREW +BVTT 2.6X5 (S)	

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General Audio Group

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